

ANALYTICAL REPORT

Job Number: 680-87318-5

SDG Number: 68087318-5

Job Description: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC
1220 Kennestone Circle
Suite 106
Marietta, GA 30060

Attention: Ms. Limari F Krebs



Approved for release.
Bernard Kirkland
Project Manager I
3/4/2013 2:19 PM

Designee for
Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com
03/04/2013

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #'s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN: C-GA-02; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q



Table of Contents

Cover Title Page	1
Data Summaries	3
Report Narrative	3
Sample Summary	4
Method Summary	5
Method / Analyst Summary	6
Data Qualifiers	7
QC Association Summary	8
Organic Sample Data	10
GC/MS Semi VOA	10
Method 8270D	10
Method 8270D QC Summary	11
Method 8270D Sample Data	27
Standards Data	66
Method 8270D ICAL Data	66
Method 8270D CCAL Data	134
Raw QC Data	162
Method 8270D Tune Data	162
Method 8270D Blank Data	182
Method 8270D LCS/LCSD Data	187
Method 8270D MS/MSD Data	193
Method 8270D Run Logs	205
Method 8270D Prep Data	209
Shipping and Receiving Documents	210
Client Chain of Custody	210

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-87318-5

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/09/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.2° C and 2.8° C.

SEMOVOLATILE ORGANIC COMPOUNDS (SOLID)

Samples CV0005C-CS (680-87318-4), CV0005H-CS (680-87318-12), CV0005L-CS (680-87318-17) and CV0005V-CS (680-87318-32) were analyzed for Semivolatile Organic Compounds (Solid) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 02/14/2013 and analyzed on 02/23/2013 and 02/28/2013.

Sample CV0005H-CS (680-87318-12)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Fampur, 1,4-Napthaquinone, Methane sulfonate, Benzaldehyde, 1-naphthylamine, 2-naphthylamine, p-Dimethylamino azobenzene, p-phenylenediamine, a,a-dimethylphenethylamine, Methapyriline, 2-picoline (2-methylpyridine), 3,3'-dimethylbenzidine, 3,3'-dichlorobenzidine, Benzidine, Benzaldehyde, Benzoic acid, Dinoceb, Hexachlorophene, Hexachlorocyclopentadiene, o,o,o-triethylphosphoro-thioate. These analytes may have a %D >60% if the average %D of all the analytes in the initial calibration verification (ICV) or continuing calibration verification (CCV) is 30%.

The initial calibration verification (ICV) analyzed in batch 267279 was outside method criteria for the following analyte(s): benzoic acid, benzidine, terphenyl-d14, benzaldehyde and atrazine. The minimum response factor (RF) criteria for the initial calibration (ICAL) analyzed in batch 267279 was outside criteria for the following analyte(s): 2,6-dinitrotoluene. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

The initial calibration verification (ICV) analyzed in batch 267580 was outside method criteria for the following analyte(s): benzoic acid, benzidine, terphenyl-d14, benzaldehyde, methyl methansulfonate, hexachloropropene, a,a-dimethylphenethylamine, n-nitrosodi-n-butylamine, 1,4-phenylenediamine, 2,5-dinitrophenol, 2-diallate, 3,3-dimethylbenzidine, and hexachlorophene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 8 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 266053 had 1 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Atrazine failed the recovery criteria high for LCS 680-266053/14-A. Refer to the QC report for details.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0005C-CS (680-87318-4) in batch 680-267279. Hexachlorocyclopentadiene exceeded the rpd limit.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87318-5
Sdg Number: 68087318-5

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-87318-4	CV0005C-CS	Solid	02/07/2013 1023	02/09/2013 1033
680-87318-4MS	CV0005C-CS	Solid	02/07/2013 1023	02/09/2013 1033
680-87318-4MSD	CV0005C-CS	Solid	02/07/2013 1023	02/09/2013 1033
680-87318-12	CV0005H-CS	Solid	02/07/2013 1130	02/09/2013 1033
680-87318-17	CV0005L-CS	Solid	02/07/2013 1154	02/09/2013 1033
680-87318-32	CV0005V-CS	Solid	02/07/2013 1434	02/09/2013 1033

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87318-5
Sdg Number: 68087318-5

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds (GC/MS)	TAL SAV	SW846 8270D	
Microwave Extraction	TAL SAV		SW846 3546
Percent Moisture	TAL TAM	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87318-5
Sdg Number: 68087318-5

Method	Analyst	Analyst ID
SW846 8270D	Gillins, Lauren E	LEG
EPA Moisture	Galio, Andrew	AG

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87318-5

Sdg Number: 68087318-5

Lab Section	Qualifier	Description
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87318-5
Sdg Number: 68087318-5

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-266053					
LCS 680-266053/14-A	Lab Control Sample	T	Solid	3546	
MB 680-266053/13-A	Method Blank	T	Solid	3546	
680-87318-4	CV0005C-CS	T	Solid	3546	
680-87318-4MS	Matrix Spike	T	Solid	3546	
680-87318-4MSD	Matrix Spike Duplicate	T	Solid	3546	
680-87318-12	CV0005H-CS	T	Solid	3546	
680-87318-17	CV0005L-CS	T	Solid	3546	
680-87318-32	CV0005V-CS	T	Solid	3546	
Analysis Batch:680-267279					
LCS 680-266053/14-A	Lab Control Sample	T	Solid	8270D	680-266053
MB 680-266053/13-A	Method Blank	T	Solid	8270D	680-266053
680-87318-4	CV0005C-CS	T	Solid	8270D	680-266053
680-87318-4MS	Matrix Spike	T	Solid	8270D	680-266053
680-87318-4MSD	Matrix Spike Duplicate	T	Solid	8270D	680-266053
Analysis Batch:680-267924					
680-87318-12	CV0005H-CS	T	Solid	8270D	680-266053
680-87318-17	CV0005L-CS	T	Solid	8270D	680-266053
680-87318-32	CV0005V-CS	T	Solid	8270D	680-266053

Report Basis

T = Total

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87318-5
Sdg Number: 68087318-5

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:660-134398					
LCS 660-134398/1	Lab Control Sample	T	Solid	Moisture	
LCSD 660-134398/11	Lab Control Sample Duplicate	T	Solid	Moisture	
680-87318-32	CV0005V-CS	T	Solid	Moisture	
Analysis Batch:660-134437					
LCS 660-134437/1	Lab Control Sample	T	Solid	Moisture	
680-87318-4	CV0005C-CS	T	Solid	Moisture	
680-87318-4-MS	Matrix Spike	T	Solid	Moisture	
680-87318-4MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-87318-12	CV0005H-CS	T	Solid	Moisture	
Analysis Batch:660-134442					
LCS 660-134442/1	Lab Control Sample	T	Solid	Moisture	
680-87318-17	CV0005L-CS	T	Solid	Moisture	

Report Basis

T = Total

Method 8270D

**Semivolatile Organic Compounds
(GC/MS) by Method 8270D**

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Matrix: Solid Level: Low
GC Column (1): ZB5 SemiV ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
CV0005C-CS	680-87318-4	67	75	72	78	77	95
CV0005H-CS	680-87318-12	58	62	59	73	65	92
CV0005L-CS	680-87318-17	60	65	61	71	81	98
CV0005V-CS	680-87318-32	69	75	72	83	83	97
	MB 680-266053/13-A	78	80	76	84	80	112
	LCS 680-266053/14-A	76	81	72	82	88	115
CV0005C-CS MS	680-87318-4 MS	64	68	68	74	68	94
CV0005C-CS MSD	680-87318-4 MSD	58	63	60	63	58	72

QC LIMITS

2FP = 2-Fluorophenol (Surr)	40-130
PHL = Phenol-d5 (Surr)	49-130
NBZ = Nitrobenzene-d5 (Surr)	46-130
FBP = 2-Fluorobiphenyl	58-130
TBP = 2,4,6-Tribromophenol (Surr)	58-130
TPH = Terphenyl-d14 (Surr)	60-130

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Matrix: Solid Level: Low Lab File ID: tb2322.d

Lab ID: LCS 680-266053/14-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acetophenone	3340	1990	60	42-130	
Atrazine	3340	6210	186	54-141	*
Benzaldehyde	3340	973	29	10-130	
1,1'-Biphenyl	3340	2530	76	57-130	
Bis(2-chloroethoxy)methane	3340	2720	81	56-130	
Bis(2-chloroethyl)ether	3340	2360	71	42-130	
bis (2-chloroisopropyl) ether	3340	2520	76	44-130	
Bis(2-ethylhexyl) phthalate	3340	3160	95	62-132	
4-Bromophenyl phenyl ether	3340	2920	88	65-130	
Butyl benzyl phthalate	3340	3210	96	65-134	
Caprolactam	3340	2950	89	52-130	
Carbazole	3340	3030	91	60-130	
4-Chloroaniline	3340	2020	61	36-130	
4-Chloro-3-methylphenol	3340	2870	86	52-130	
2-Chloronaphthalene	3340	2520	76	55-130	
2-Chlorophenol	3340	2560	77	51-130	
4-Chlorophenyl phenyl ether	3340	2890	87	61-130	
3,3'-Dichlorobenzidine	3340	2430	73	45-130	
2,4-Dichlorophenol	3340	2710	81	53-130	
Diethyl phthalate	3340	2980	89	62-130	
2,4-Dimethylphenol	3340	2800	84	47-130	
Dimethyl phthalate	3340	2930	88	63-130	
Di-n-butyl phthalate	3340	3030	91	65-130	
4,6-Dinitro-2-methylphenol	3340	3130	94	14-137	
2,4-Dinitrophenol	3340	3000	90	10-154	
2,4-Dinitrotoluene	3340	2830	85	55-130	
2,6-Dinitrotoluene	3340	2810	84	57-130	
Di-n-octyl phthalate	3340	3200	96	59-146	
Hexachlorobenzene	3340	2740	82	59-130	
Hexachlorobutadiene	3340	2520	76	47-130	
Hexachlorocyclopentadiene	3340	1790	54	35-130	
Hexachloroethane	3340	2020	61	44-130	
Isophorone	3340	2310	69	48-130	
2-Methylphenol	3340	2720	81	49-130	
3 & 4 Methylphenol	3340	2820	85	50-130	
2-Nitroaniline	3340	2820	85	52-130	
3-Nitroaniline	3340	2570	77	42-130	
4-Nitroaniline	3340	2890	87	49-130	
Nitrobenzene	3340	2310	69	43-130	
2-Nitrophenol	3340	2480	74	45-130	
4-Nitrophenol	3340	2850	86	30-130	
N-Nitrosodi-n-propylamine	3340	2810	84	48-130	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Matrix: Solid Level: Low Lab File ID: tb2322.d
Lab ID: LCS 680-266053/14-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
N-Nitrosodiphenylamine	3340	2880	86	62-130	
Pentachlorophenol	3340	2890	87	38-131	
Phenol	3340	2560	77	46-130	
2,4,5-Trichlorophenol	3340	2930	88	60-130	
2,4,6-Trichlorophenol	3340	2830	85	53-130	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Matrix: Solid Level: Low Lab File ID: tb2325.d
Lab ID: 680-87318-4 MS Client ID: CV0005C-CS MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acetophenone	3620	31 J	2270	62	42-130	
Atrazine	3620	360 U	5810	161	54-141	F
Benzaldehyde	3620	170 J	2090	53	10-130	
1,1'-Biphenyl	3620	360 U	2590	71	57-130	
Bis(2-chloroethoxy)methane	3620	360 U	2790	77	56-130	
Bis(2-chloroethyl)ether	3620	360 U	2510	69	42-130	
bis (2-chloroisopropyl) ether	3620	360 U	2640	73	44-130	
Bis(2-ethylhexyl) phthalate	3620	430	3550	86	62-132	
4-Bromophenyl phenyl ether	3620	360 U	2920	81	65-130	
Butyl benzyl phthalate	3620	41 J	3130	85	65-134	
Caprolactam	3620	360 U	2080	57	52-130	
Carbazole	3620	35 J	2970	81	60-130	
4-Chloroaniline	3620	720 U	1730	48	36-130	
4-Chloro-3-methylphenol	3620	360 U	2740	76	52-130	
2-Chloronaphthalene	3620	360 U	2550	70	55-130	
2-Chlorophenol	3620	360 U	2560	71	51-130	
4-Chlorophenyl phenyl ether	3620	360 U	2810	78	61-130	
3,3'-Dichlorobenzidine	3620	720 U	486 J	13	45-130	F
2,4-Dichlorophenol	3620	360 U	2690	74	53-130	
Diethyl phthalate	3620	360 U	2950	82	62-130	
2,4-Dimethylphenol	3620	360 U	2300	64	47-130	
Dimethyl phthalate	3620	360 U	2870	79	63-130	
Di-n-butyl phthalate	3620	35 J	3040	83	65-130	
4,6-Dinitro-2-methylphenol	3620	1900 U	1680 J	46	14-137	
2,4-Dinitrophenol	3620	1900 U	1800 U	0	10-154	F
2,4-Dinitrotoluene	3620	360 U	2670	74	55-130	
2,6-Dinitrotoluene	3620	360 U	2780	77	57-130	
Di-n-octyl phthalate	3620	360 U	3080	85	59-146	
Hexachlorobenzene	3620	110 J	2690	71	59-130	
Hexachlorobutadiene	3620	360 U	2730	75	47-130	
Hexachlorocyclopentadiene	3620	360 U	615	17	35-130	F
Hexachloroethane	3620	360 U	2030	56	44-130	
Isophorone	3620	360 U	2350	65	48-130	
2-Methylphenol	3620	360 U	2480	69	49-130	
3 & 4 Methylphenol	3620	360 U	2470	68	50-130	
2-Nitroaniline	3620	1900 U	2720	75	52-130	
3-Nitroaniline	3620	1900 U	2060	57	42-130	
4-Nitroaniline	3620	1900 U	2240	62	49-130	
Nitrobenzene	3620	360 U	2460	68	43-130	
2-Nitrophenol	3620	360 U	2610	72	45-130	
4-Nitrophenol	3620	1900 U	2640	73	30-130	
N-Nitrosodi-n-propylamine	3620	360 U	2840	78	48-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Matrix: Solid Level: Low Lab File ID: tb2325.d
Lab ID: 680-87318-4 MS Client ID: CV0005C-CS MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
N-Nitrosodiphenylamine	3620	360 U	2790	77	62-130	
Pentachlorophenol	3620	1900 U	2650	73	38-131	
Phenol	3620	360 U	2470	68	46-130	
2,4,5-Trichlorophenol	3620	360 U	2920	81	60-130	
2,4,6-Trichlorophenol	3620	360 U	2740	76	53-130	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Matrix: Solid Level: Low Lab File ID: tb2326.d
Lab ID: 680-87318-4 MSD Client ID: CV0005C-CS MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acetophenone	3630	1900	52	18	50	42-130	
Atrazine	3630	3850	106	41	50	54-141	
Benzaldehyde	3630	2030	51	3	50	10-130	
1,1'-Biphenyl	3630	2040	56	24	50	57-130	F
Bis(2-chloroethoxy)methane	3630	2330	64	18	50	56-130	
Bis(2-chloroethyl)ether	3630	2170	60	14	50	42-130	
bis (2-chloroisopropyl) ether	3630	2300	63	14	50	44-130	
Bis(2-ethylhexyl) phthalate	3630	2630	61	30	50	62-132	F
4-Bromophenyl phenyl ether	3630	2140	59	31	50	65-130	F
Butyl benzyl phthalate	3630	2240	61	33	50	65-134	F
Caprolactam	3630	1730	48	18	50	52-130	F
Carbazole	3630	2200	60	30	50	60-130	
4-Chloroaniline	3630	1320	36	27	50	36-130	
4-Chloro-3-methylphenol	3630	2310	64	17	50	52-130	
2-Chloronaphthalene	3630	1990	55	25	50	55-130	
2-Chlorophenol	3630	2150	59	17	50	51-130	
4-Chlorophenyl phenyl ether	3630	2180	60	25	50	61-130	F
3,3'-Dichlorobenzidine	3630	304 J	8	46	50	45-130	F
2,4-Dichlorophenol	3630	2150	59	22	50	53-130	
Diethyl phthalate	3630	2400	66	21	50	62-130	
2,4-Dimethylphenol	3630	1780	49	26	50	47-130	
Dimethyl phthalate	3630	2380	66	18	50	63-130	
Di-n-butyl phthalate	3630	2170	59	33	50	65-130	F
4,6-Dinitro-2-methylphenol	3630	1190 J	33	34	50	14-137	
2,4-Dinitrophenol	3630	1900 U	0	NC	50	10-154	F
2,4-Dinitrotoluene	3630	2120	58	23	50	55-130	
2,6-Dinitrotoluene	3630	2250	62	21	50	57-130	
Di-n-octyl phthalate	3630	2220	61	32	50	59-146	
Hexachlorobenzene	3630	2040	53	28	50	59-130	F
Hexachlorobutadiene	3630	2270	63	18	50	47-130	
Hexachlorocyclopentadiene	3630	222 J	6	94	50	35-130	F
Hexachloroethane	3630	1550	43	27	50	44-130	F
Isophorone	3630	1950	54	18	50	48-130	
2-Methylphenol	3630	2070	57	18	50	49-130	
3 & 4 Methylphenol	3630	2090	58	17	50	50-130	
2-Nitroaniline	3630	2270	63	18	50	52-130	
3-Nitroaniline	3630	1590 J	44	26	50	42-130	
4-Nitroaniline	3630	1700 J	47	28	50	49-130	F
Nitrobenzene	3630	2030	56	19	50	43-130	
2-Nitrophenol	3630	2110	58	22	50	45-130	
4-Nitrophenol	3630	2220	61	17	50	30-130	
N-Nitrosodi-n-propylamine	3630	2420	67	16	50	48-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Matrix: Solid Level: Low Lab File ID: tb2326.d
Lab ID: 680-87318-4 MSD Client ID: CV0005C-CS MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
N-Nitrosodiphenylamine	3630	2050	56	31	50	62-130	F
Pentachlorophenol	3630	2060	57	25	50	38-131	
Phenol	3630	2070	57	18	50	46-130	
2,4,5-Trichlorophenol	3630	2250	62	26	50	60-130	
2,4,6-Trichlorophenol	3630	2160	60	24	50	53-130	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Lab File ID: tb2321.d Lab Sample ID: MB 680-266053/13-A
Matrix: Solid Date Extracted: 02/14/2013 10:04
Instrument ID: MST Date Analyzed: 02/23/2013 19:45
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-266053/14-A	tb2322.d	02/23/2013 20:13
CV0005C-CS MS	680-87318-4 MS	tb2325.d	02/23/2013 21:37
CV0005C-CS MSD	680-87318-4 MSD	tb2326.d	02/23/2013 22:05
CV0005C-CS	680-87318-4	tb2327.d	02/23/2013 22:33
CV0005H-CS	680-87318-12	tb2693.d	02/28/2013 10:22
CV0005L-CS	680-87318-17	tb2694.d	02/28/2013 10:50
CV0005V-CS	680-87318-32	tb2695.d	02/28/2013 11:18

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab File ID: tb2207t.d DFTPP Injection Date: 02/22/2013

Instrument ID: MST DFTPP Injection Time: 13:38

Analysis Batch No.: 267280

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0- 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	30.1
70	Less than 2.0% of mass 69	0.2 (0.6)1
127	25.0 - 75.0% of mass 198	40.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0- 30.0% of mass 198	23.2
365	Greater than 0.75% of mass 198	2.7
441	Present, but less than mass 443	14.0
442	40.0 - 110.0% of mass 198	93.9
443	15.0 - 24.0% of mass 442	18.1 (19.2)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 680-267280/2	tb2208q.d	02/22/2013	13:57
	IC 680-267280/3	tb2209q.d	02/22/2013	14:25
	IC 680-267280/4	tb2210q.d	02/22/2013	14:53
	IC 680-267280/5	tb2211q.d	02/22/2013	15:21
	IC 680-267280/6	tb2212q.d	02/22/2013	15:50
	IC 680-267280/7	tb2213q.d	02/22/2013	16:18
	ICV 680-267280/8	tb2214q.d	02/22/2013	16:46

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab File ID: tb2302t.d

DFTPP Injection Date: 02/23/2013

Instrument ID: MST

DFTPP Injection Time: 10:59

Analysis Batch No.: 267279

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0- 80.0% of mass 198	41.7
68	Less than 2.0% of mass 69	0.1 (0.3)1
69	Mass 69 relative abundance	33.7
70	Less than 2.0% of mass 69	0.2 (0.6)1
127	25.0 - 75.0% of mass 198	44.4
197	Less than 1.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0- 30.0% of mass 198	20.7
365	Greater than 0.75% of mass 198	2.1
441	Present, but less than mass 443	11.0
442	40.0 - 110.0% of mass 198	73.1
443	15.0 - 24.0% of mass 442	14.2 (19.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 680-267279/2	tb2303q.d	02/23/2013	11:17
	MB 680-266053/13-A	tb2321.d	02/23/2013	19:45
	LCS 680-266053/14-A	tb2322.d	02/23/2013	20:13
CV0005C-CS MS	680-87318-4 MS	tb2325.d	02/23/2013	21:37
CV0005C-CS MSD	680-87318-4 MSD	tb2326.d	02/23/2013	22:05
CV0005C-CS	680-87318-4	tb2327.d	02/23/2013	22:33

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab File ID: tb2602t.d

DFTPP Injection Date: 02/26/2013

Instrument ID: MST

DFTPP Injection Time: 15:21

Analysis Batch No.: 267580

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0- 80.0% of mass 198	32.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	32.8
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	25.0 - 75.0% of mass 198	42.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0- 30.0% of mass 198	24.4
365	Greater than 0.75% of mass 198	3.2
441	Present, but less than mass 443	10.1
442	40.0 - 110.0% of mass 198	71.5
443	15.0 - 24.0% of mass 442	13.6 (19.1)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 680-267580/2	tb2603q.d	02/26/2013	15:40
	IC 680-267580/3	tb2604q.d	02/26/2013	16:08
	IC 680-267580/4	tb2605q.d	02/26/2013	16:36
	IC 680-267580/5	tb2606q.d	02/26/2013	17:05
	IC 680-267580/6	tb2607q.d	02/26/2013	17:33
	IC 680-267580/7	tb2608q.d	02/26/2013	18:01
	ICV 680-267580/8	tb2609q.d	02/26/2013	18:29

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab File ID: tb2672t.d

DFTPP Injection Date: 02/28/2013

Instrument ID: MST

DFTPP Injection Time: 00:41

Analysis Batch No.: 267924

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0- 80.0% of mass 198	32.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	32.5
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	25.0 - 75.0% of mass 198	44.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0- 30.0% of mass 198	24.7
365	Greater than 0.75% of mass 198	3.1
441	Present, but less than mass 443	10.8
442	40.0 - 110.0% of mass 198	72.9
443	15.0 - 24.0% of mass 442	14.5 (19.9)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 680-267924/2	tb2673q.d	02/28/2013	01:00
CV0005H-CS	680-87318-12	tb2693.d	02/28/2013	10:22
CV0005L-CS	680-87318-17	tb2694.d	02/28/2013	10:50
CV0005V-CS	680-87318-32	tb2695.d	02/28/2013	11:18

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Sample No.: CCVIS 680-267279/2 Date Analyzed: 02/23/2013 11:17
Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm)
Lab File ID (Standard): tb2303q.d Heated Purge: (Y/N) N
Calibration ID: 16464

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	484019	6.15	1991722	7.34	1114732	9.13
UPPER LIMIT	968038	6.65	3983444	7.84	2229464	9.63
LOWER LIMIT	242010	5.65	995861	6.84	557366	8.63
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 680-266053/13-A		312973	6.15	1279548	7.34	738736
LCS 680-266053/14-A		320033	6.15	1359398	7.34	800383
680-87318-4 MS	CV0005C-CS MS	347372	6.15	1425514	7.34	823784
680-87318-4 MSD	CV0005C-CS MSD	432167	6.15	1834631	7.34	1099084
680-87318-4	CV0005C-CS	340186	6.15	1471261	7.34	902585

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Sample No.: CCVIS 680-267279/2 Date Analyzed: 02/23/2013 11:17
Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm)
Lab File ID (Standard): tb2303q.d Heated Purge: (Y/N) N
Calibration ID: 16464

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	1781156	11.02	1687168	14.45	1698374	16.50	
UPPER LIMIT	3562312	11.52	3374336	14.95	3396748	17.00	
LOWER LIMIT	890578	10.52	843584	13.95	849187	16.00	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-266053/13-A		1189492	11.02	1164576	14.45	1178934	16.50
LCS 680-266053/14-A		1322536	11.02	1276084	14.45	1363393	16.50
680-87318-4 MS	CV0005C-CS MS	1347193	11.02	1386843	14.45	1561031	16.51
680-87318-4 MSD	CV0005C-CS MSD	1848617	11.02	1801294	14.45	1969398	16.51
680-87318-4	CV0005C-CS	1524470	11.02	1573383	14.45	1655207	16.51

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Sample No.: CCVIS 680-267924/2 Date Analyzed: 02/28/2013 01:00
Instrument ID: MST GC Column: ZB5 Semiv ID: 0.25 (mm)
Lab File ID (Standard): tb2673q.d Heated Purge: (Y/N) N
Calibration ID: 16507

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	494766	6.14	2042820	7.32	1298918	9.10
UPPER LIMIT	989532	6.64	4085640	7.82	2597836	9.60
LOWER LIMIT	247383	5.64	1021410	6.82	649459	8.60
LAB SAMPLE ID	CLIENT SAMPLE ID					
680-87318-12	CV0005H-CS	354826	6.14	1449276	7.32	909777
680-87318-17	CV0005L-CS	549231	6.14	2213630	7.32	1395699
680-87318-32	CV0005V-CS	345302	6.14	1380953	7.32	874828

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Sample No.: CCVIS 680-267924/2 Date Analyzed: 02/28/2013 01:00
Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm)
Lab File ID (Standard): tb2673q.d Heated Purge: (Y/N) N
Calibration ID: 16507

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	2230068	10.99	2029669	14.41	2407295	16.42
UPPER LIMIT	4460136	11.49	4059338	14.91	4814590	16.92
LOWER LIMIT	1115034	10.49	1014835	13.91	1203648	15.92
LAB SAMPLE ID	CLIENT SAMPLE ID					
680-87318-12	CV0005H-CS	1619722	10.99	1737788	14.41	1779429
680-87318-17	CV0005L-CS	2483234	10.99	2640541	14.41	2791365
680-87318-32	CV0005V-CS	1566641	10.99	1740221	14.41	1869220

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Client Sample ID: CV0005C-CS

Lab Sample ID: 680-87318-4

Matrix: Solid

Lab File ID: tb2327.d

Analysis Method: 8270D

Date Collected: 02/07/2013 10:23

Extract. Method: 3546

Date Extracted: 02/14/2013 10:04

Sample wt/vol: 29.96(g)

Date Analyzed: 02/23/2013 22:33

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 8.0

GPC Cleanup:(Y/N) N

Analysis Batch No.: 267279

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	31	J	360	30
1912-24-9	Atrazine	360	U *	360	25
100-52-7	Benzaldehyde	170	J	360	63
92-52-4	1,1'-Biphenyl	360	U	360	810
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	42
111-44-4	Bis(2-chloroethyl)ether	360	U	360	49
108-60-1	bis (2-chloroisopropyl) ether	360	U	360	33
117-81-7	Bis(2-ethylhexyl) phthalate	430		360	32
101-55-3	4-Bromophenyl phenyl ether	360	U	360	39
85-68-7	Butyl benzyl phthalate	41	J	360	28
105-60-2	Caprolactam	360	U	360	72
86-74-8	Carbazole	35	J	360	33
106-47-8	4-Chloroaniline	720	U	720	57
59-50-7	4-Chloro-3-methylphenol	360	U	360	38
91-58-7	2-Chloronaphthalene	360	U	360	38
95-57-8	2-Chlorophenol	360	U	360	44
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	48
91-94-1	3,3'-Dichlorobenzidine	720	U	720	30
120-83-2	2,4-Dichlorophenol	360	U	360	38
84-66-2	Diethyl phthalate	360	U	360	40
105-67-9	2,4-Dimethylphenol	360	U	360	48
131-11-3	Dimethyl phthalate	360	U	360	37
84-74-2	Di-n-butyl phthalate	35	J	360	33
534-52-1	4,6-Dinitro-2-methylphenol	1900	U	1900	190
51-28-5	2,4-Dinitrophenol	1900	U	1900	900
121-14-2	2,4-Dinitrotoluene	360	U	360	53
606-20-2	2,6-Dinitrotoluene	360	U	360	46
117-84-0	Di-n-octyl phthalate	360	U	360	32
118-74-1	Hexachlorobenzene	110	J	360	42
87-68-3	Hexachlorobutadiene	360	U	360	39
77-47-4	Hexachlorocyclopentadiene	360	U	360	45
67-72-1	Hexachloroethane	360	U	360	30
78-59-1	Isophorone	360	U	360	36
95-48-7	2-Methylphenol	360	U	360	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah	Job No.: 680-87318-5
SDG No.: 68087318-5	
Client Sample ID: CV0005C-CS	Lab Sample ID: 680-87318-4
Matrix: Solid	Lab File ID: tb2327.d
Analysis Method: 8270D	Date Collected: 02/07/2013 10:23
Extract. Method: 3546	Date Extracted: 02/14/2013 10:04
Sample wt/vol: 29.96(g)	Date Analyzed: 02/23/2013 22:33
Con. Extract Vol.: 1(mL)	Dilution Factor: 1
Injection Volume: 1(uL)	Level: (low/med) Low
% Moisture: 8.0	GPC Cleanup:(Y/N) N
Analysis Batch No.: 267279	Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	360	U	360	47
88-74-4	2-Nitroaniline	1900	U	1900	49
99-09-2	3-Nitroaniline	1900	U	1900	50
100-01-6	4-Nitroaniline	1900	U	1900	53
98-95-3	Nitrobenzene	360	U	360	28
88-75-5	2-Nitrophenol	360	U	360	45
100-02-7	4-Nitrophenol	1900	U	1900	360
621-64-7	N-Nitrosodi-n-propylamine	360	U	360	35
86-30-6	N-Nitrosodiphenylamine	360	U	360	36
87-86-5	Pentachlorophenol	1900	U	1900	360
108-95-2	Phenol	360	U	360	37
95-95-4	2,4,5-Trichlorophenol	360	U	360	38
88-06-2	2,4,6-Trichlorophenol	360	U	360	32

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	78		58-130
367-12-4	2-Fluorophenol (Surr)	67		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	72		46-130
4165-62-2	Phenol-d5 (Surr)	75		49-130
1718-51-0	Terphenyl-d14 (Surr)	95		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	77		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022313D.b/tb2327.d
Lab Smp Id: 680-87318-B-4-A Client Smp ID: CV0005C-CS
Inj Date : 23-FEB-2013 22:33
Operator : LEG Inst ID: MST5973.i
Smp Info : 680-87318-B-4-A
Misc Info : 680-87318-B-4-A
Comment :
Method : /chem/SM/MST5973.i/1t022313D.b/t-8270D-m.m
Meth Date : 24-Feb-2013 10:45 gillinsl Quant Type: ISTD
Cal Date : 13-FEB-2013 23:26 Cal File: tb1320q.d
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:

Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	29.96000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv)
GPC	1.00000	GPC FACTOR

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
* 1 1,4-Dichlorobenzene-d4	====	=====	==	=====	=====	=====	=====	=====
\$ 5 2-Fluorophenol	152	6.145	6.145	(1.000)	340186	40.0000		
\$ 6 Phenol-d5	112	4.794	4.788	(0.780)	790011	67.2383	2200	
* 20 Naphthalene-d8	99	5.793	5.787	(0.943)	1092798	75.1903	2500	
\$ 21 Nitrobenzene-d5	136	7.342	7.342	(1.000)	1471261	40.0000		
27 Benzoic acid	82	6.680	6.679	(0.910)	805239	72.1771	2400	
30 Naphthalene	105	7.091	7.123	(0.966)	20764	2.45390	82(a)	
	128	7.358	7.358	(1.002)	84256	2.35339	79(a)	

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
34 2-Methylnaphthalene		142	7.983	7.983 (1.087)		55624	2.37366	79(a)
35 1-Methylnaphthalene		142	8.079	8.079 (1.100)		44085	1.99027	66(a)
* 36 Acenaphthene-d10		164	9.132	9.132 (1.000)		902585	40.0000	
\$ 40 2-Fluorobiphenyl		172	8.336	8.336 (0.913)		1958585	78.2341	2600
47 Acenaphthene		154	9.169	9.169 (1.004)		11078	0.47296	16(aH)
50 Dibenzofuran		168	9.377	9.377 (1.027)		63837	1.95375	65(a)
54 Fluorene		166	9.800	9.799 (1.073)		14198	0.54234	18(a)
\$ 57 2,4,6-Tribromophenol		329	10.115	10.115 (1.108)		295310	77.2108	2600
* 58 Phenanthrene-d10		188	11.023	11.023 (1.000)		1524470	40.0000	
63 Hexachlorobenzene		284	10.526	10.526 (0.955)		24605	2.91589	97(a)
65 Phenanthrene		178	11.055	11.055 (1.003)		279085	6.96639	230(a)
66 Anthracene		178	11.119	11.119 (1.009)		45985	1.13479	38(a)
67 Carbazole		167	11.327	11.327 (1.028)		36469	0.96292	32(a)
68 Di-n-Butylphthalate		149	11.749	11.749 (1.066)		41510	0.95555	32(a)
69 Fluoranthene		202	12.615	12.615 (1.144)		432225	10.0962	340
* 71 Chrysene-d12		240	14.447	14.447 (1.000)		1573383	40.0000	
72 Pyrene		202	12.914	12.914 (0.894)		368273	7.67233	260(a)
\$ 73 Terphenyl-d14		244	13.096	13.090 (0.906)		2336841	95.1471	3200
74 Butylbenzylphthalate		149	13.699	13.699 (0.948)		22616	1.13008	38(a)
76 Benzo(a)Anthracene		228	14.437	14.431 (0.999)		206886	4.79187	160(a)
77 Bis(2-ethylhexyl)phthalate		149	14.399	14.399 (0.997)		312457	11.8211	390
78 Chrysene		228	14.479	14.479 (1.002)		277834	6.48746	220(a)
* 79 Perylene-d12		264	16.509	16.499 (1.000)		1655207	40.0000	
81 Benzo(b)fluoranthene		252	15.884	15.884 (0.962)		329190	7.88056	260(aM)
82 Benzo(k)fluoranthene		252	15.900	15.922 (0.963)		197587	4.31689	140(aM)
83 Benzo(a)pyrene		252	16.413	16.408 (0.994)		193251	5.05257	170(a)
84 Indeno(1,2,3-cd)pyrene		276	18.593	18.593 (1.287)		158430	3.20284	110(a)
86 Benzo(g,h,i)perylene		276	19.245	19.239 (1.166)		162271	3.65808	120(a)
89 Acetophenone		105	6.535	6.535 (0.890)		13430	0.85796	29(a)
90 Benzaldehyde		77	5.707	5.707 (0.929)		28968	4.56403	150(a)
91 1,1-Biphenyl		154	8.448	8.448 (0.925)		20503	0.64621	22(a)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: tb2327.d

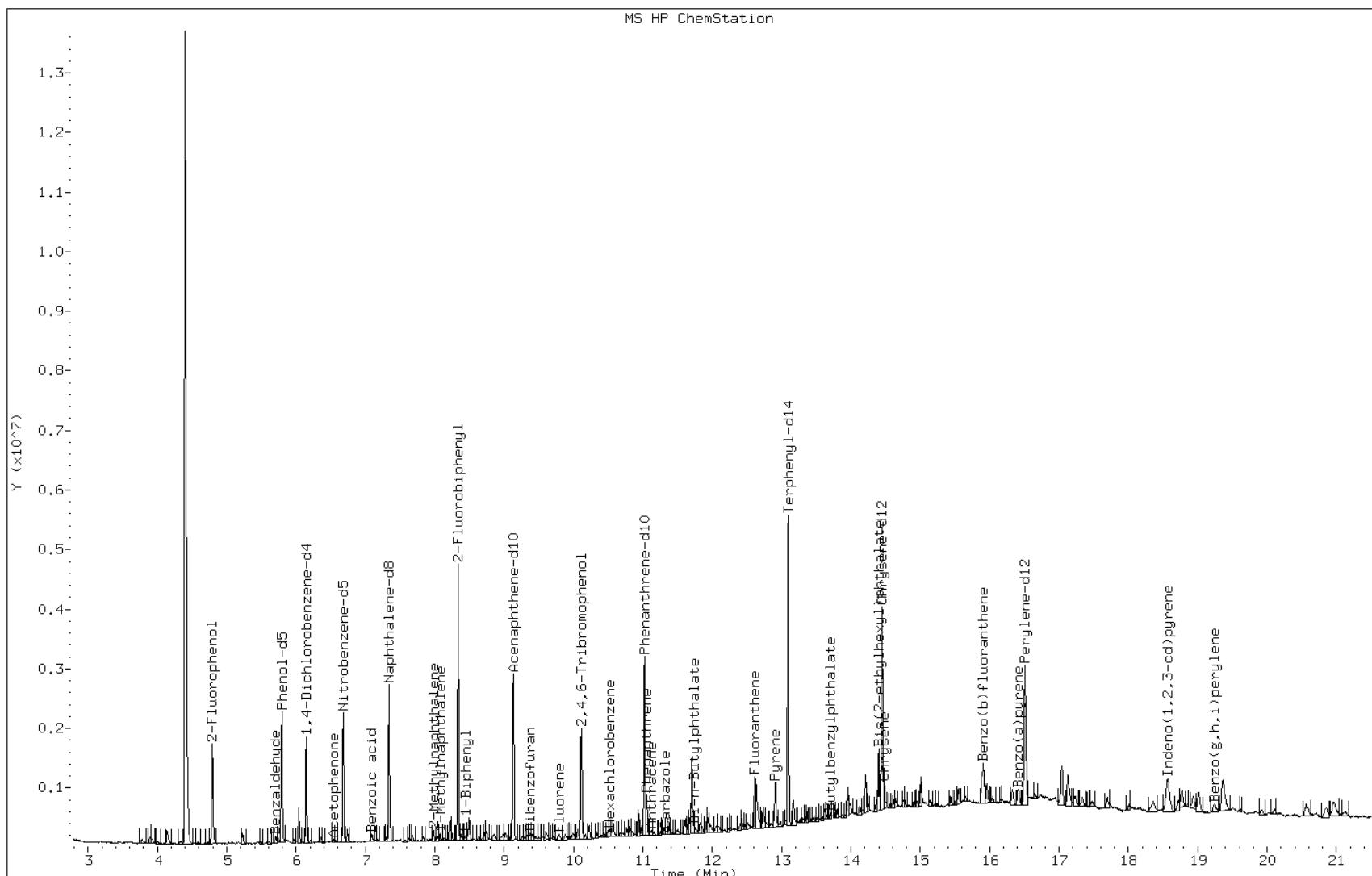
Date: 23-FEB-2013 22:33

Client ID: CV0005C-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-4-A

Operator: LEG



Data File: tb2327.d

Date: 23-FEB-2013 22:33

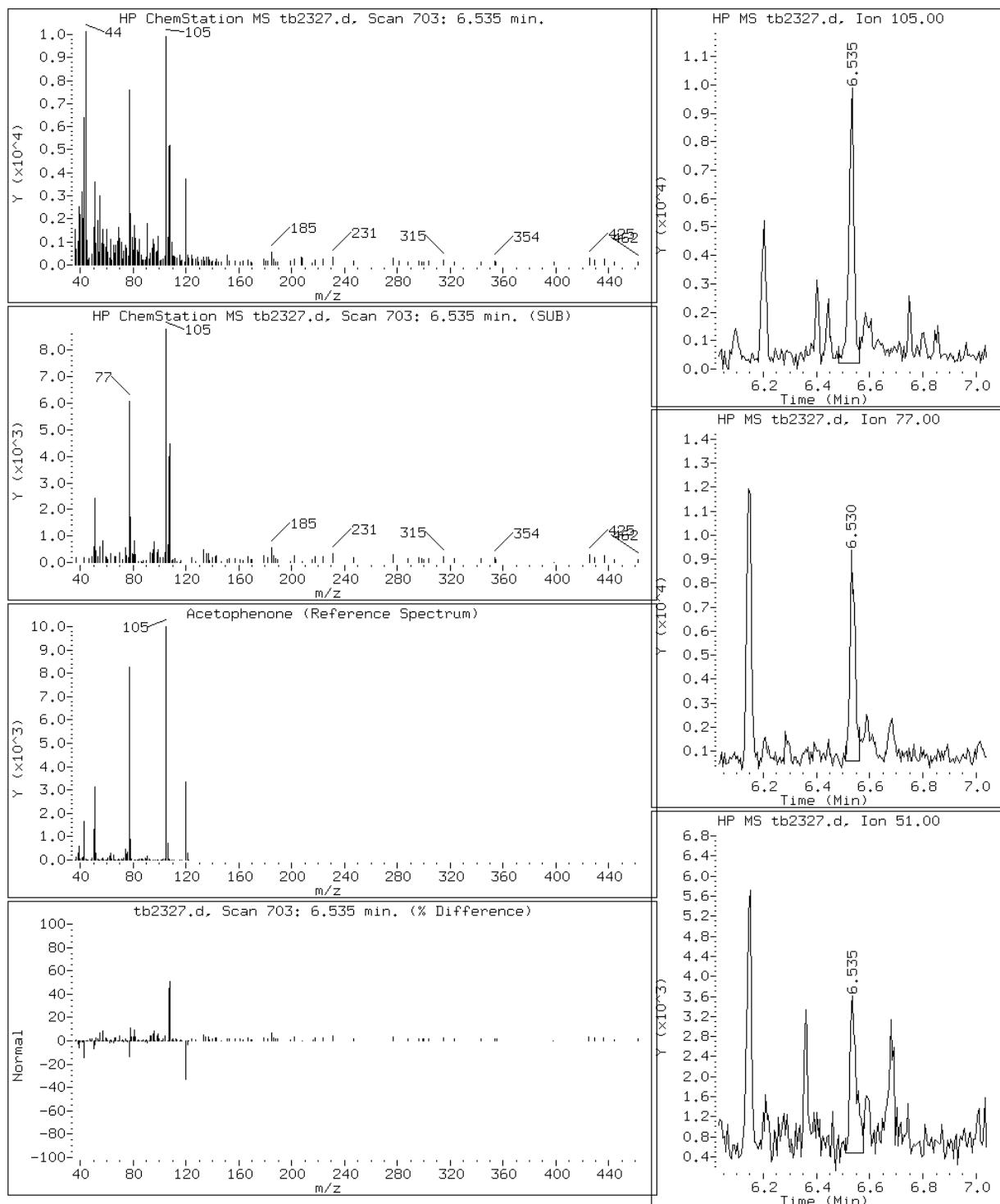
Client ID: CV0005C-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-4-A

Operator: LEG

89 Acetophenone



Data File: tb2327.d

Date: 23-FEB-2013 22:33

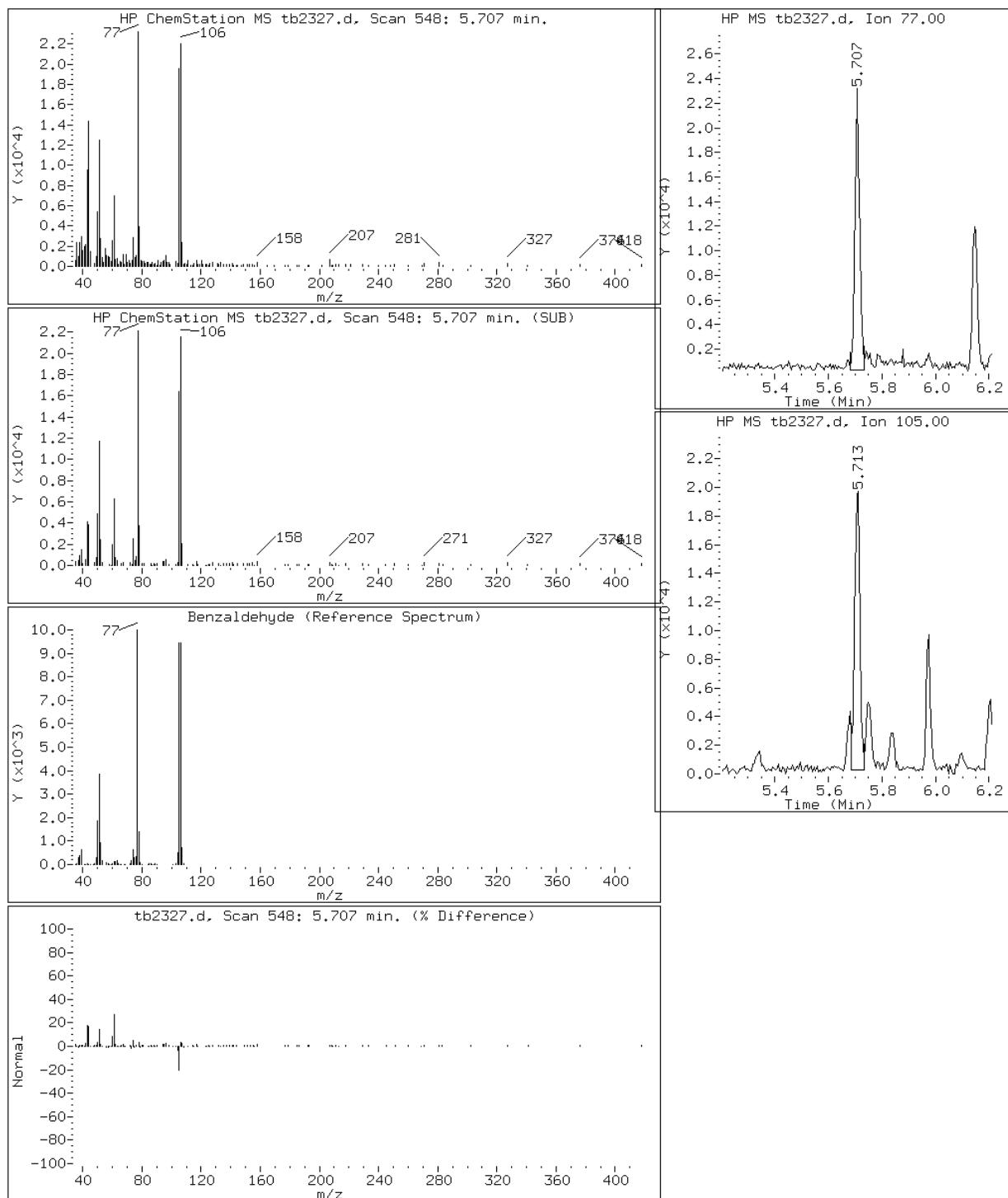
Client ID: CV0005C-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-4-A

Operator: LEG

90 Benzaldehyde



Data File: tb2327.d

Date: 23-FEB-2013 22:33

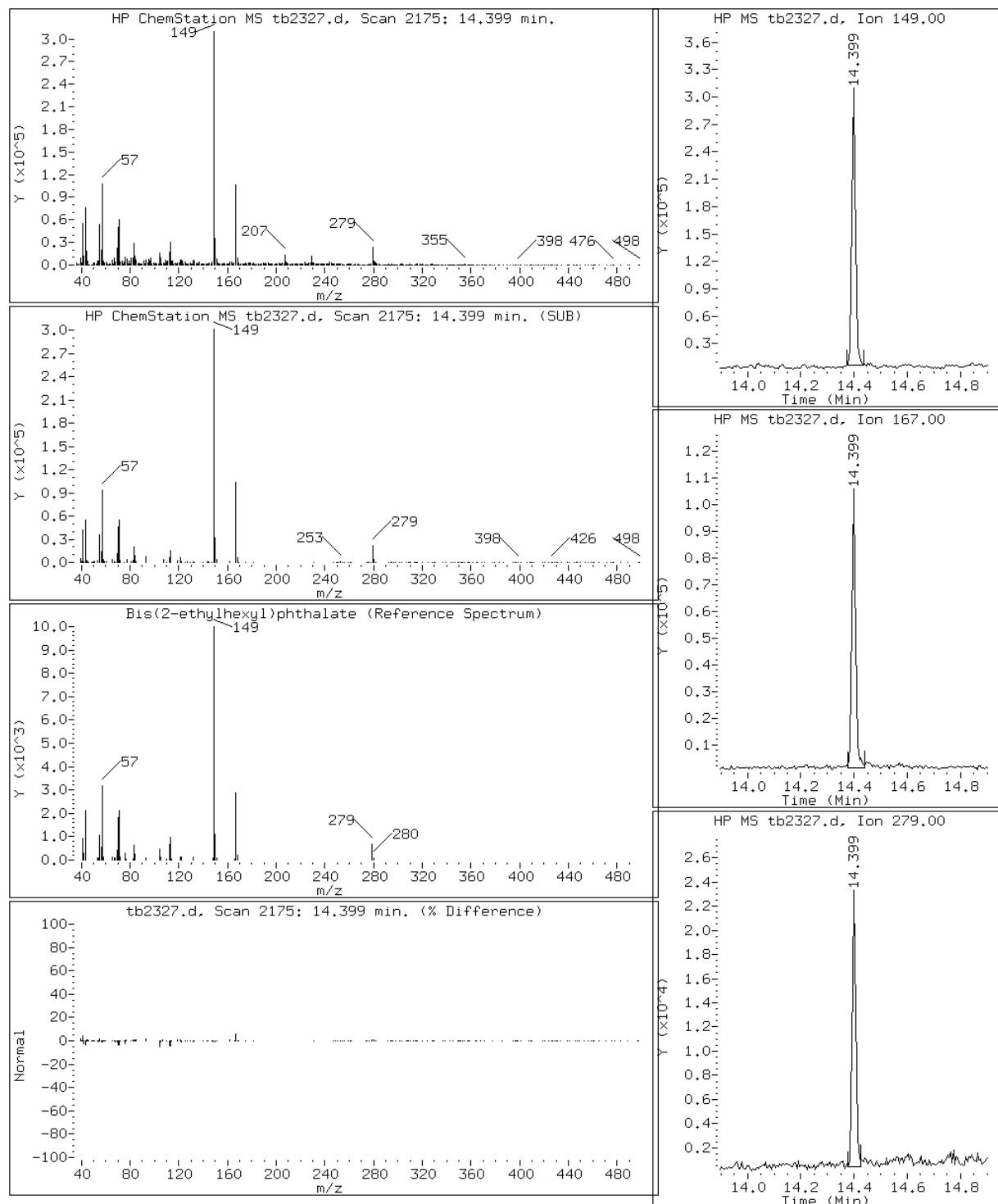
Client ID: CV0005C-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-4-A

Operator: LEG

77 Bis(2-ethylhexyl)phthalate



Data File: tb2327.d

Date: 23-FEB-2013 22:33

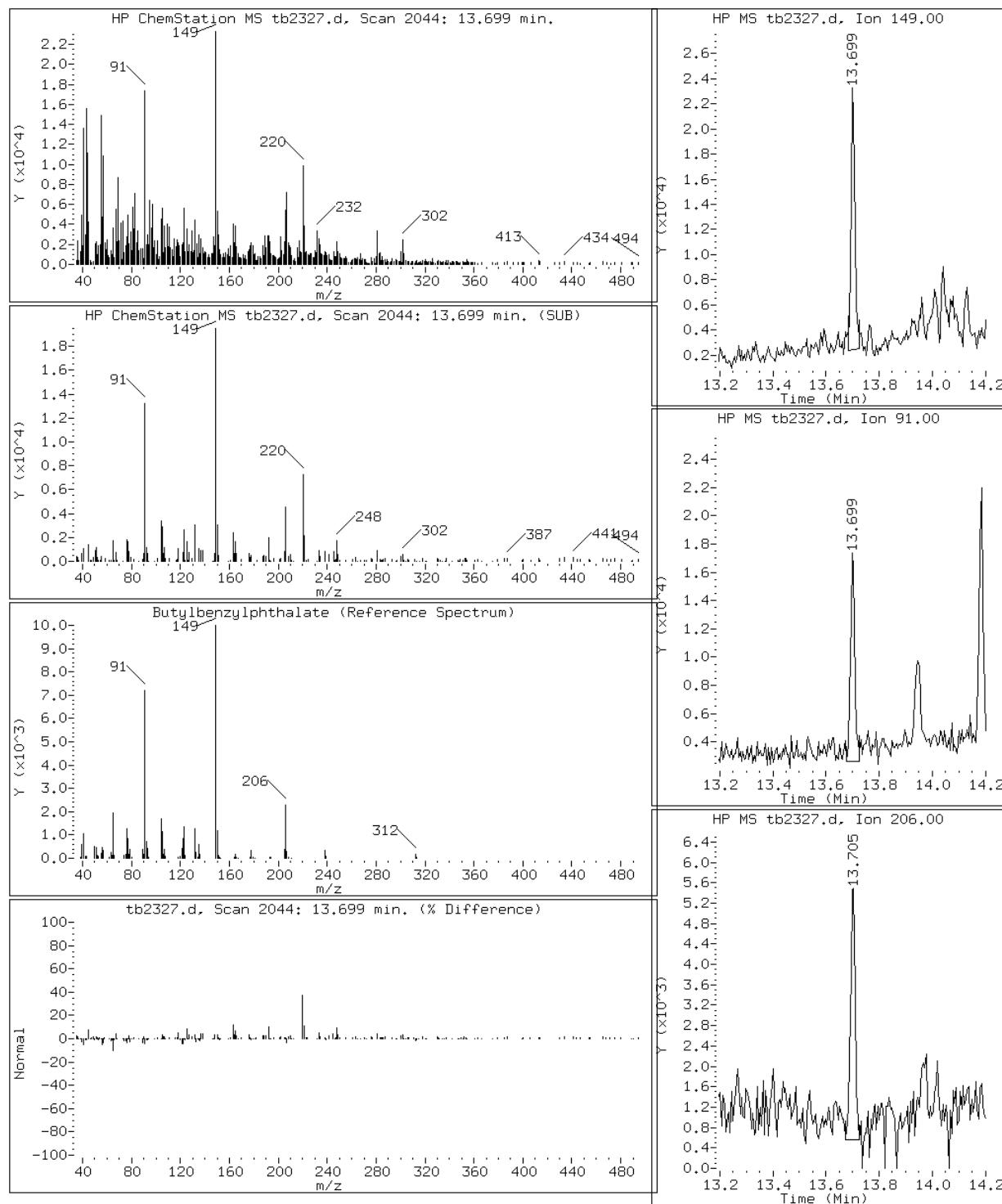
Client ID: CV0005C-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-4-A

Operator: LEG

74 Butylbenzylphthalate



Data File: tb2327.d

Date: 23-FEB-2013 22:33

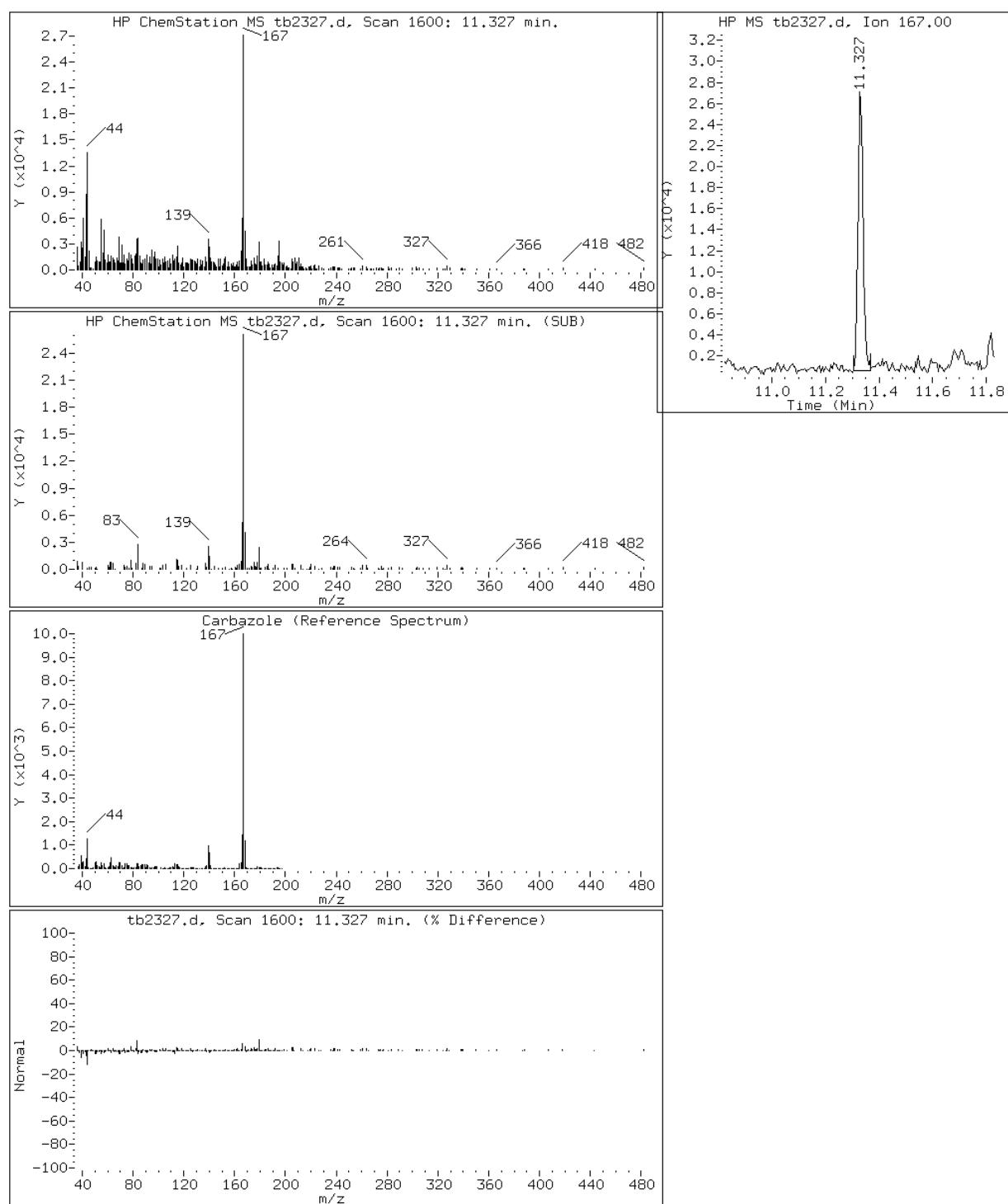
Client ID: CV0005C-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-4-A

Operator: LEG

67 Carbazole



Data File: tb2327.d

Date: 23-FEB-2013 22:33

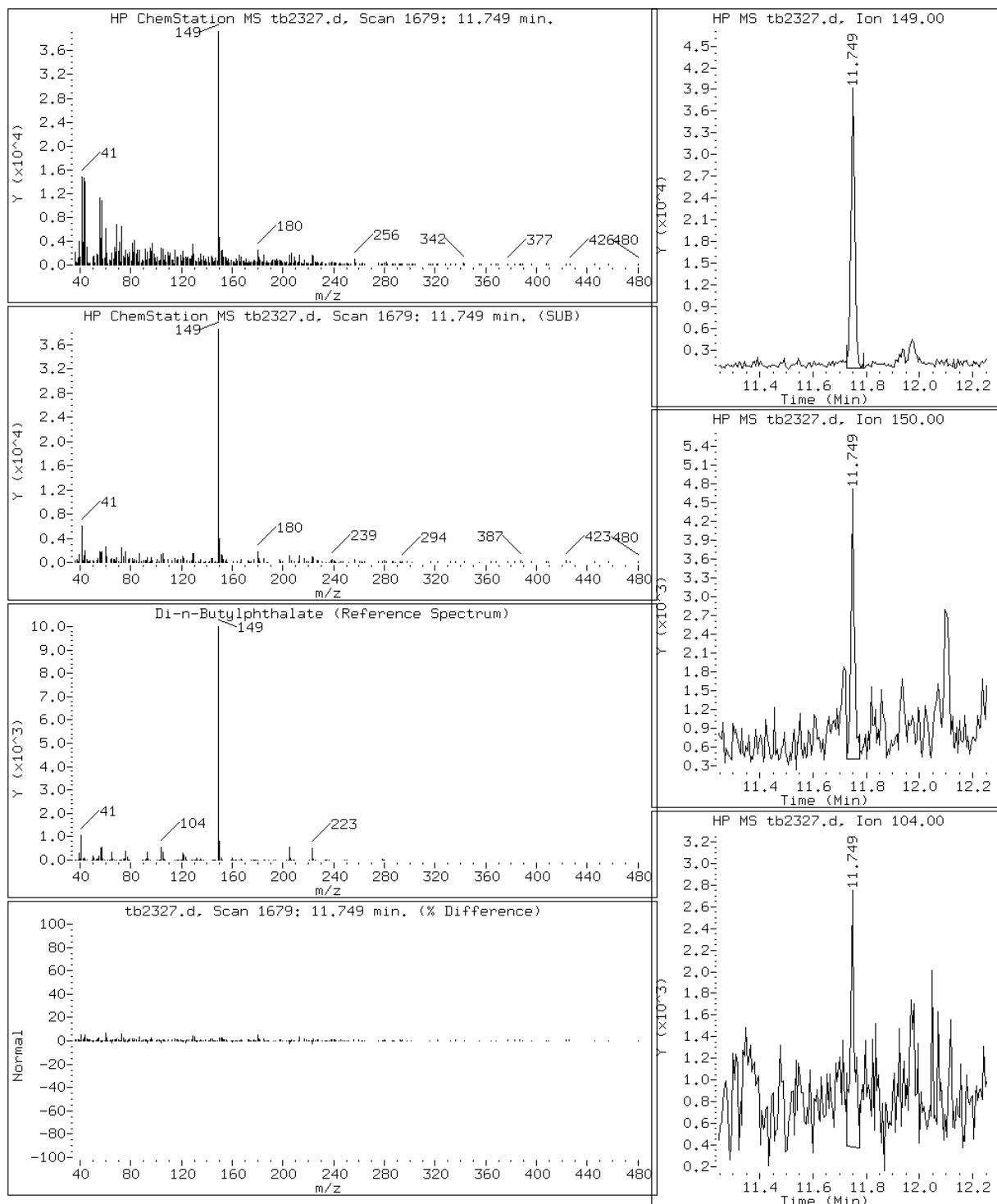
Client ID: CV0005C-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-4-A

Operator: LEG

68 Di-n-Butylphthalate



Data File: tb2327.d

Date: 23-FEB-2013 22:33

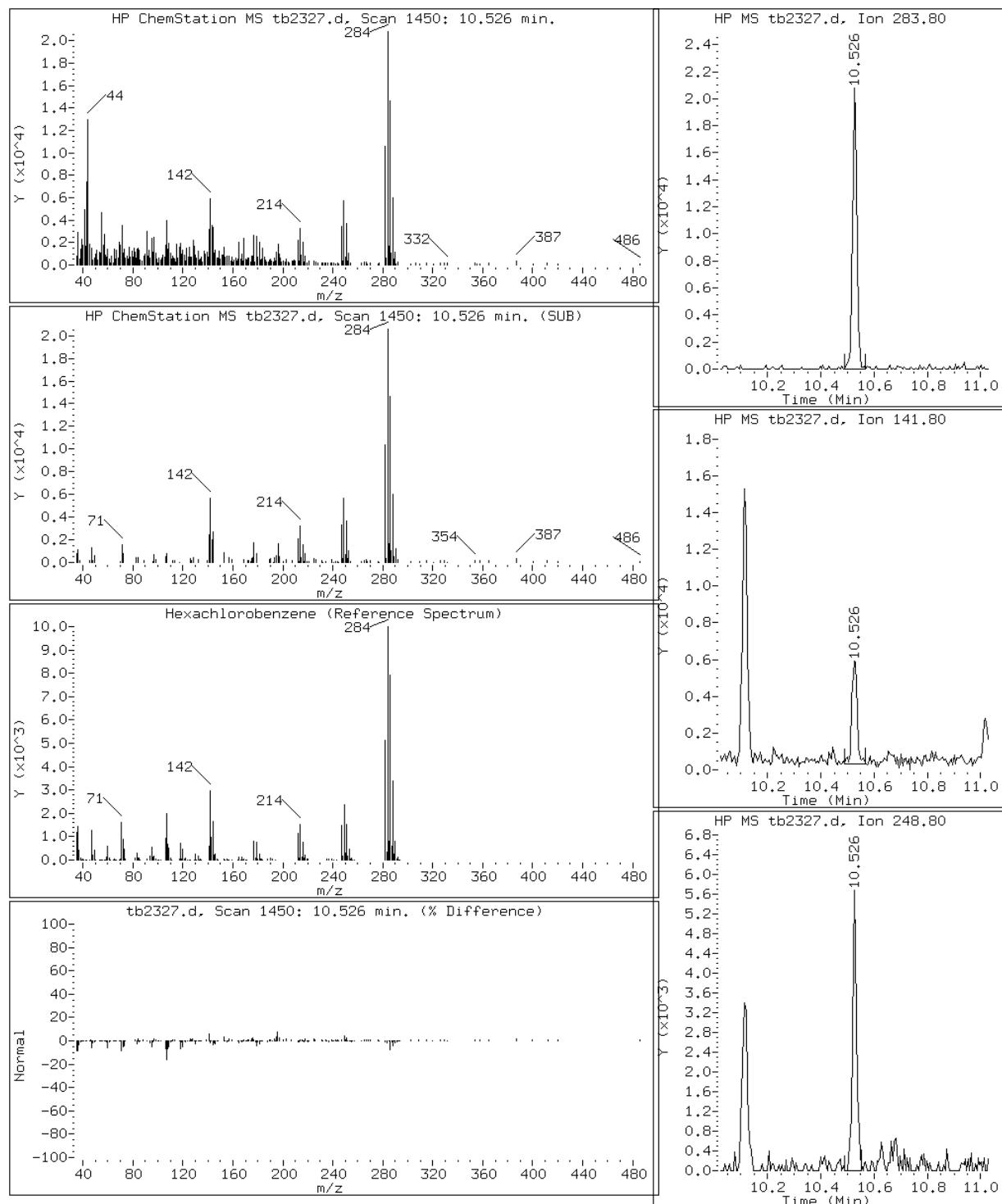
Client ID: CV0005C-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-4-A

Operator: LEG

63 Hexachlorobenzene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Client Sample ID: CV0005H-CS

Lab Sample ID: 680-87318-12

Matrix: Solid

Lab File ID: tb2693.d

Analysis Method: 8270D

Date Collected: 02/07/2013 11:30

Extract. Method: 3546

Date Extracted: 02/14/2013 10:04

Sample wt/vol: 30.02(g)

Date Analyzed: 02/28/2013 10:22

Con. Extract Vol.: 1(mL)

Dilution Factor: 5

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 3.4

GPC Cleanup:(Y/N) N

Analysis Batch No.: 267924

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	1700	U	1700	140
1912-24-9	Atrazine	1700	U *	1700	120
100-52-7	Benzaldehyde	1700	U	1700	300
92-52-4	1,1'-Biphenyl	1700	U	1700	3800
111-91-1	Bis(2-chloroethoxy)methane	1700	U	1700	200
111-44-4	Bis(2-chloroethyl)ether	1700	U	1700	230
108-60-1	bis (2-chloroisopropyl) ether	1700	U	1700	160
117-81-7	Bis(2-ethylhexyl) phthalate	1700	U	1700	150
101-55-3	4-Bromophenyl phenyl ether	1700	U	1700	190
85-68-7	Butyl benzyl phthalate	630	J	1700	130
105-60-2	Caprolactam	1700	U	1700	340
86-74-8	Carbazole	1700	U	1700	160
106-47-8	4-Chloroaniline	3400	U	3400	270
59-50-7	4-Chloro-3-methylphenol	1700	U	1700	180
91-58-7	2-Chloronaphthalene	1700	U	1700	180
95-57-8	2-Chlorophenol	1700	U	1700	210
7005-72-3	4-Chlorophenyl phenyl ether	1700	U	1700	230
91-94-1	3,3'-Dichlorobenzidine	3400	U	3400	140
120-83-2	2,4-Dichlorophenol	1700	U	1700	180
84-66-2	Diethyl phthalate	1700	U	1700	190
105-67-9	2,4-Dimethylphenol	1700	U	1700	230
131-11-3	Dimethyl phthalate	1700	U	1700	180
84-74-2	Di-n-butyl phthalate	200	J	1700	160
534-52-1	4,6-Dinitro-2-methylphenol	8800	U	8800	880
51-28-5	2,4-Dinitrophenol	8800	U	8800	4300
121-14-2	2,4-Dinitrotoluene	1700	U	1700	250
606-20-2	2,6-Dinitrotoluene	1700	U	1700	220
117-84-0	Di-n-octyl phthalate	1700	U	1700	150
118-74-1	Hexachlorobenzene	1700	U	1700	200
87-68-3	Hexachlorobutadiene	1700	U	1700	190
77-47-4	Hexachlorocyclopentadiene	1700	U	1700	210
67-72-1	Hexachloroethane	1700	U	1700	140
78-59-1	Isophorone	1700	U	1700	170
95-48-7	2-Methylphenol	1700	U	1700	140

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah	Job No.: 680-87318-5
SDG No.: 68087318-5	
Client Sample ID: CV0005H-CS	Lab Sample ID: 680-87318-12
Matrix: Solid	Lab File ID: tb2693.d
Analysis Method: 8270D	Date Collected: 02/07/2013 11:30
Extract. Method: 3546	Date Extracted: 02/14/2013 10:04
Sample wt/vol: 30.02(g)	Date Analyzed: 02/28/2013 10:22
Con. Extract Vol.: 1(mL)	Dilution Factor: 5
Injection Volume: 1(uL)	Level: (low/med) Low
% Moisture: 3.4	GPC Cleanup:(Y/N) N
Analysis Batch No.: 267924	Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	1700	U	1700	220
88-74-4	2-Nitroaniline	8800	U	8800	230
99-09-2	3-Nitroaniline	8800	U	8800	240
100-01-6	4-Nitroaniline	8800	U	8800	250
98-95-3	Nitrobenzene	1700	U	1700	130
88-75-5	2-Nitrophenol	1700	U	1700	210
100-02-7	4-Nitrophenol	8800	U	8800	1700
621-64-7	N-Nitrosodi-n-propylamine	1700	U	1700	170
86-30-6	N-Nitrosodiphenylamine	1700	U	1700	170
87-86-5	Pentachlorophenol	8800	U	8800	1700
108-95-2	Phenol	1700	U	1700	180
95-95-4	2,4,5-Trichlorophenol	1700	U	1700	180
88-06-2	2,4,6-Trichlorophenol	1700	U	1700	150

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	73		58-130
367-12-4	2-Fluorophenol (Surr)	58		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	59		46-130
4165-62-2	Phenol-d5 (Surr)	62		49-130
1718-51-0	Terphenyl-d14 (Surr)	92		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	65		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/3t022613D.b/tb2693.d
Lab Smp Id: 680-87318-B-12-A Client Smp ID: CV0005H-CS
Inj Date : 28-FEB-2013 10:22
Operator : LEG Inst ID: MST5973.i
Smp Info : 680-87318-B-12-A =5
Misc Info : 680-87318-B-12-A
Comment :
Method : /chem/SM/MST5973.i/3t022613D.b/t-8270D-m.m
Meth Date : 01-Mar-2013 12:36 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 21:18 Cal File: tb2615q.d
Als bottle: 67
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:

Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	30.02000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv)
GPC	1.00000	GPC FACTOR

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
* 1 1,4-Dichlorobenzene-d4	====	==	=====	=====	=====	=====	=====	=====
\$ 5 2-Fluorophenol	152	6.143	6.143 (1.000)		354826	40.0000		
\$ 6 Phenol-d5	112	4.786	4.781 (0.779)		137050	11.6233	1900	
* 20 Naphthalene-d8	99	5.774	5.774 (0.940)		186868	12.4012	2100	
\$ 21 Nitrobenzene-d5	136	7.324	7.324 (1.000)		1449276	40.0000		
34 2-Methylnaphthalene	82	6.667	6.667 (0.910)		144024	11.7064	1900	
* 36 Acenaphthene-d10	142	7.959	7.959 (1.087)		10652	0.43837	73(a)	
	164	9.097	9.103 (1.000)		909777	40.0000		

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
\$ 40 2-Fluorobiphenyl		172	8.312	8.317	(0.914)	387506	14.6002	2400
\$ 57 2,4,6-Tribromophenol		329	10.080	10.080	(1.108)	51095	12.9936	2200
* 58 Phenanthrene-d10		188	10.989	10.994	(1.000)	1619722	40.0000	
65 Phenanthrene		178	11.021	11.026	(1.003)	99930	2.35535	390(a)
66 Anthracene		178	11.090	11.090	(1.009)	19848	0.46122	77(a)
68 Di-n-Butylphthalate		149	11.747	11.752	(1.069)	55342	1.16146	190(a)
69 Fluoranthene		202	12.586	12.586	(1.145)	229559	4.69653	780(a)
* 71 Chrysene-d12		240	14.408	14.413	(1.000)	1737788	40.0000	
72 Pyrene		202	12.880	12.880	(0.894)	192037	3.49213	580(a)
\$ 73 Terphenyl-d14		244	13.072	13.077	(0.907)	557552	18.3415	3100
74 Butylbenzylphthalate		149	13.692	13.697	(0.950)	87324	3.68147	610(a)
76 Benzo(a)Anthracene		228	14.397	14.402	(0.999)	118756	2.32199	390(a)
78 Chrysene		228	14.440	14.445	(1.002)	134092	2.63419	440(a)
* 79 Perylene-d12		264	16.422	16.422	(1.000)	1779429	40.0000	
81 Benzo(b)fluoranthene		252	15.823	15.829	(0.964)	166025	3.52852	590(a)
82 Benzo(k)fluoranthene		252	15.855	15.866	(0.965)	56720	1.17817	200(aH)
83 Benzo(a)pyrene		252	16.325	16.336	(0.994)	97407	2.30838	380(a)
84 Indeno(1,2,3-cd)pyrene		276	18.452	18.478	(1.281)	62820	1.04460	170(a)
86 Benzo(g,h,i)perylene		276	19.077	19.103	(1.162)	64810	1.40468	230(a)
90 Benzaldehyde		77	5.710	5.705	(0.930)	4271	0.55485	92(a)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: tb2693.d

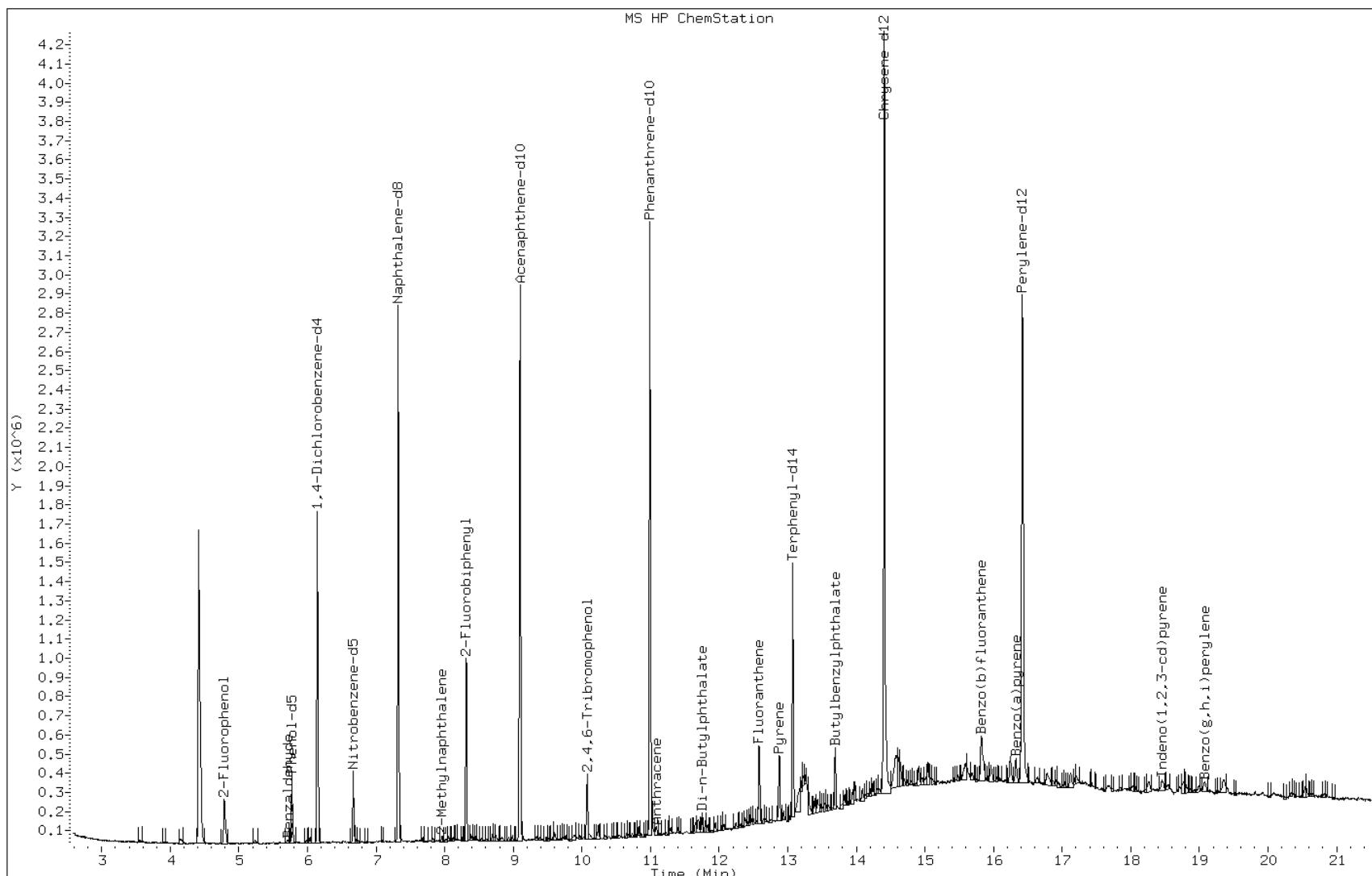
Date: 28-FEB-2013 10:22

Client ID: CV0005H-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-12-A =5

Operator: LEG



Data File: tb2693.d

Date: 28-FEB-2013 10:22

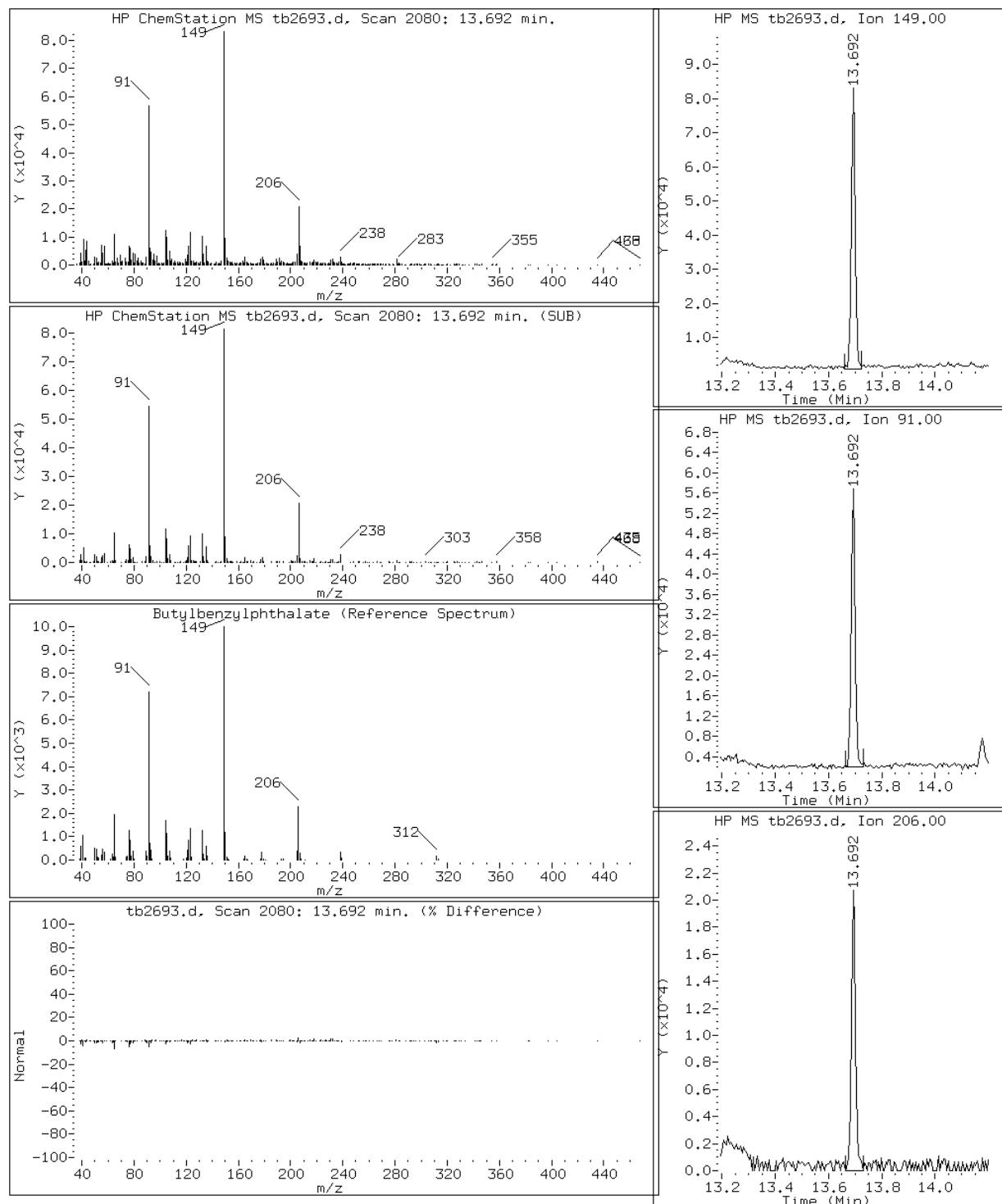
Client ID: CV0005H-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-12-A =5

Operator: LEG

74 Butylbenzylphthalate



Data File: tb2693.d

Date: 28-FEB-2013 10:22

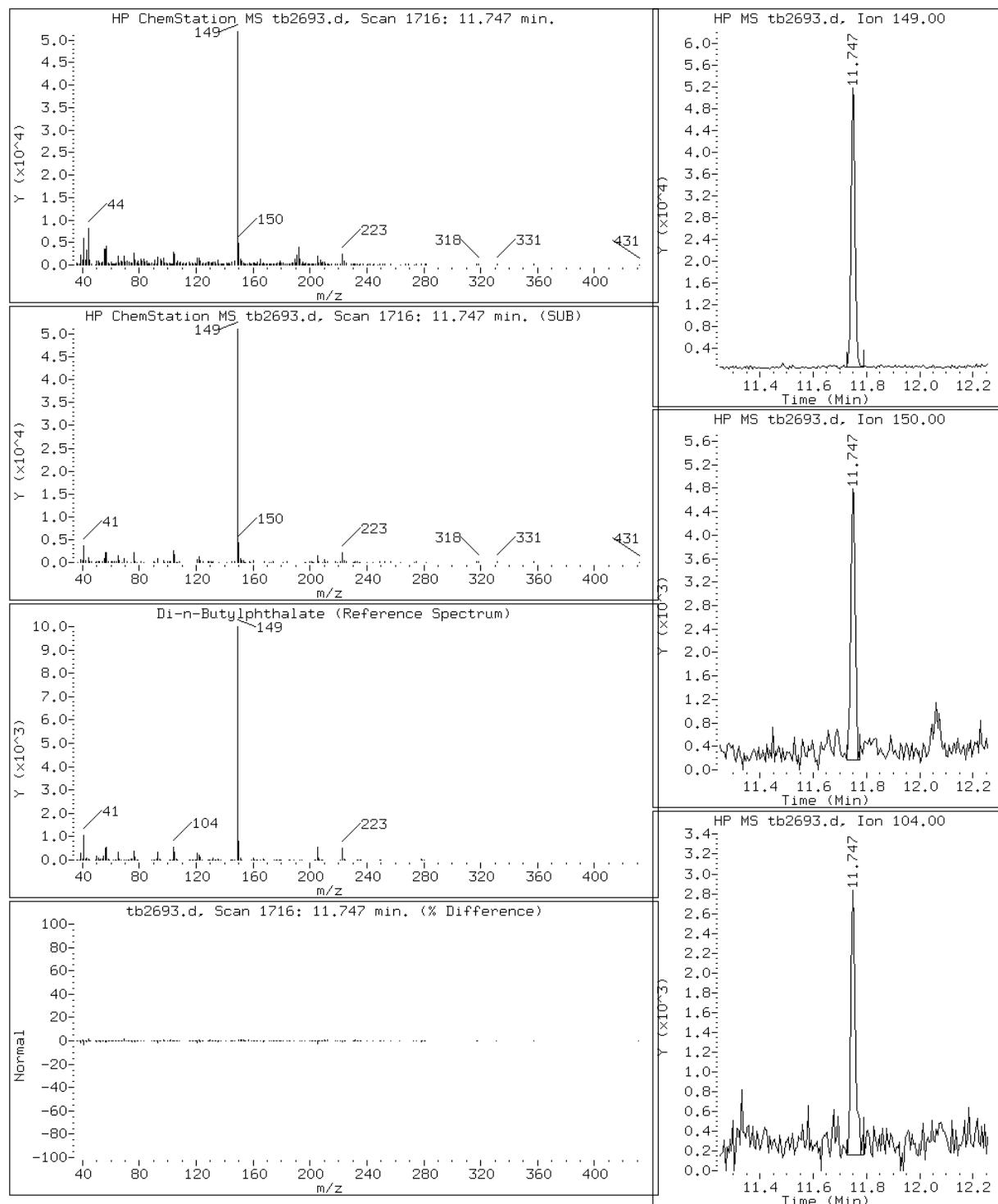
Client ID: CV0005H-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-12-A =5

Operator: LEG

68 Di-n-Butylphthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Client Sample ID: CV0005L-CS

Lab Sample ID: 680-87318-17

Matrix: Solid

Lab File ID: tb2694.d

Analysis Method: 8270D

Date Collected: 02/07/2013 11:54

Extract. Method: 3546

Date Extracted: 02/14/2013 10:04

Sample wt/vol: 30.00(g)

Date Analyzed: 02/28/2013 10:50

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 1.7

GPC Cleanup:(Y/N) N

Analysis Batch No.: 267924

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	340	U	340	28
1912-24-9	Atrazine	340	U *	340	23
100-52-7	Benzaldehyde	60	J	340	59
92-52-4	1,1'-Biphenyl	340	U	340	750
111-91-1	Bis(2-chloroethoxy)methane	340	U	340	40
111-44-4	Bis(2-chloroethyl)ether	340	U	340	46
108-60-1	bis (2-chloroisopropyl) ether	340	U	340	31
117-81-7	Bis(2-ethylhexyl) phthalate	400		340	29
101-55-3	4-Bromophenyl phenyl ether	340	U	340	37
85-68-7	Butyl benzyl phthalate	340	U	340	26
105-60-2	Caprolactam	340	U	340	67
86-74-8	Carbazole	49	J	340	31
106-47-8	4-Chloroaniline	670	U	670	53
59-50-7	4-Chloro-3-methylphenol	340	U	340	36
91-58-7	2-Chloronaphthalene	340	U	340	36
95-57-8	2-Chlorophenol	340	U	340	41
7005-72-3	4-Chlorophenyl phenyl ether	340	U	340	45
91-94-1	3,3'-Dichlorobenzidine	670	U	670	28
120-83-2	2,4-Dichlorophenol	340	U	340	36
84-66-2	Diethyl phthalate	340	U	340	38
105-67-9	2,4-Dimethylphenol	340	U	340	45
131-11-3	Dimethyl phthalate	340	U	340	35
84-74-2	Di-n-butyl phthalate	340	U	340	31
534-52-1	4,6-Dinitro-2-methylphenol	1700	U	1700	170
51-28-5	2,4-Dinitrophenol	1700	U	1700	840
121-14-2	2,4-Dinitrotoluene	340	U	340	50
606-20-2	2,6-Dinitrotoluene	340	U	340	43
117-84-0	Di-n-octyl phthalate	340	U	340	29
118-74-1	Hexachlorobenzene	340	U	340	40
87-68-3	Hexachlorobutadiene	340	U	340	37
77-47-4	Hexachlorocyclopentadiene	340	U	340	42
67-72-1	Hexachloroethane	340	U	340	28
78-59-1	Isophorone	340	U	340	34
95-48-7	2-Methylphenol	340	U	340	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah	Job No.: 680-87318-5
SDG No.: 68087318-5	
Client Sample ID: CV0005L-CS	Lab Sample ID: 680-87318-17
Matrix: Solid	Lab File ID: tb2694.d
Analysis Method: 8270D	Date Collected: 02/07/2013 11:54
Extract. Method: 3546	Date Extracted: 02/14/2013 10:04
Sample wt/vol: 30.00(g)	Date Analyzed: 02/28/2013 10:50
Con. Extract Vol.: 1(mL)	Dilution Factor: 1
Injection Volume: 1(uL)	Level: (low/med) Low
% Moisture: 1.7	GPC Cleanup:(Y/N) N
Analysis Batch No.: 267924	Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	340	U	340	44
88-74-4	2-Nitroaniline	1700	U	1700	46
99-09-2	3-Nitroaniline	1700	U	1700	47
100-01-6	4-Nitroaniline	1700	U	1700	50
98-95-3	Nitrobenzene	340	U	340	26
88-75-5	2-Nitrophenol	340	U	340	42
100-02-7	4-Nitrophenol	1700	U	1700	340
621-64-7	N-Nitrosodi-n-propylamine	340	U	340	33
86-30-6	N-Nitrosodiphenylamine	340	U	340	34
87-86-5	Pentachlorophenol	1700	U	1700	340
108-95-2	Phenol	340	U	340	35
95-95-4	2,4,5-Trichlorophenol	340	U	340	36
88-06-2	2,4,6-Trichlorophenol	340	U	340	29

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	71		58-130
367-12-4	2-Fluorophenol (Surr)	60		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	61		46-130
4165-62-2	Phenol-d5 (Surr)	65		49-130
1718-51-0	Terphenyl-d14 (Surr)	98		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	81		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/3t022613D.b/tb2694.d
Lab Smp Id: 680-87318-B-17-A Client Smp ID: CV0005L-CS
Inj Date : 28-FEB-2013 10:50
Operator : LEG Inst ID: MST5973.i
Smp Info : 680-87318-B-17-A
Misc Info : 680-87318-B-17-A
Comment :
Method : /chem/SM/MST5973.i/3t022613D.b/t-8270D-m.m
Meth Date : 01-Mar-2013 12:36 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 21:18 Cal File: tb2615q.d
Als bottle: 68
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:

Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	30.00000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv)
GPC	1.00000	GPC FACTOR

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
* 1 1,4-Dichlorobenzene-d4	====	=====	==	=====	=====	=====	=====	=====
\$ 5 2-Fluorophenol	152	6.143	6.143 (1.000)		549231	40.0000		
\$ 6 Phenol-d5	112	4.786	4.781 (0.779)		1095734	60.0366	2000	
* 20 Naphthalene-d8	99	5.774	5.774 (0.940)		1515634	64.9803	2200	
\$ 21 Nitrobenzene-d5	136	7.324	7.324 (1.000)		2213630	40.0000		
25 2,4-Dimethylphenol	82	6.667	6.667 (0.910)		1148455	61.1150	2000	
30 Naphthalene	122	7.041	7.008 (0.961)		17643	1.09106	36(aQ)	
	128	7.340	7.340 (1.002)		66523	1.22717	41(a)	

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	FINAL (ug/Kg)
34 2-Methylnaphthalene		142	7.959	7.959 (1.087)		66296	1.78626	60(a)
35 1-Methylnaphthalene		142	8.056	8.061 (1.100)		58182	1.66198	55(a)
* 36 Acenaphthene-d10		164	9.103	9.103 (1.000)		1395699	40.0000	
\$ 40 2-Fluorobiphenyl		172	8.317	8.317 (0.914)		2889290	70.9601	2400
45 Acenaphthylene		152	8.937	8.937 (0.982)		73231	1.26799	42(a)
50 Dibenzofuran		168	9.343	9.348 (1.026)		46667	0.88813	30(a)
\$ 57 2,4,6-Tribromophenol		329	10.080	10.080 (1.107)		490305	81.2759	2700
* 58 Phenanthrene-d10		188	10.994	10.994 (1.000)		2483234	40.0000	
65 Phenanthrene		178	11.021	11.026 (1.002)		606286	9.32096	310(a)
66 Anthracene		178	11.090	11.090 (1.009)		78723	1.19320	40(a)
67 Carbazole		167	11.293	11.298 (1.027)		88850	1.44668	48(a)
68 Di-n-Butylphthalate		149	11.752	11.752 (1.069)		31420	0.43011	14(a)
69 Fluoranthene		202	12.586	12.586 (1.145)		1137894	15.1848	510
* 71 Chrysene-d12		240	14.413	14.413 (1.000)		2640541	40.0000	
72 Pyrene		202	12.880	12.880 (0.894)		975924	11.6795	390
\$ 73 Terphenyl-d14		244	13.077	13.077 (0.907)		4537067	98.2264	3300
74 Butylbenzylphthalate		149	13.692	13.697 (0.950)		15428	0.42806	14(a)
76 Benzo(a)Anthracene		228	14.397	14.402 (0.999)		482663	6.21088	210(a)
77 Bis(2-ethylhexyl)phthalate		149	14.413	14.413 (1.000)		549726	11.8807	400
78 Chrysene		228	14.440	14.445 (1.002)		675873	8.73803	290(a)
* 79 Perylene-d12		264	16.427	16.422 (1.000)		2791365	40.0000	
81 Benzo(b)fluoranthene		252	15.829	15.829 (0.964)		855569	11.5915	390
82 Benzo(k)fluoranthene		252	15.861	15.866 (0.966)		350609	4.64257	150(a)
83 Benzo(a)pyrene		252	16.331	16.336 (0.994)		518844	7.83823	260(a)
84 Indeno(1,2,3-cd)pyrene		276	18.468	18.478 (1.281)		405966	4.44269	150(a)
86 Benzo(g,h,i)perylene		276	19.087	19.103 (1.162)		436142	6.02597	200(a)
89 Acetophenone		105	6.522	6.522 (0.891)		14743	0.61770	21(a)
90 Benzaldehyde		77	5.710	5.705 (0.930)		21007	1.76307	59(a)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: tb2694.d

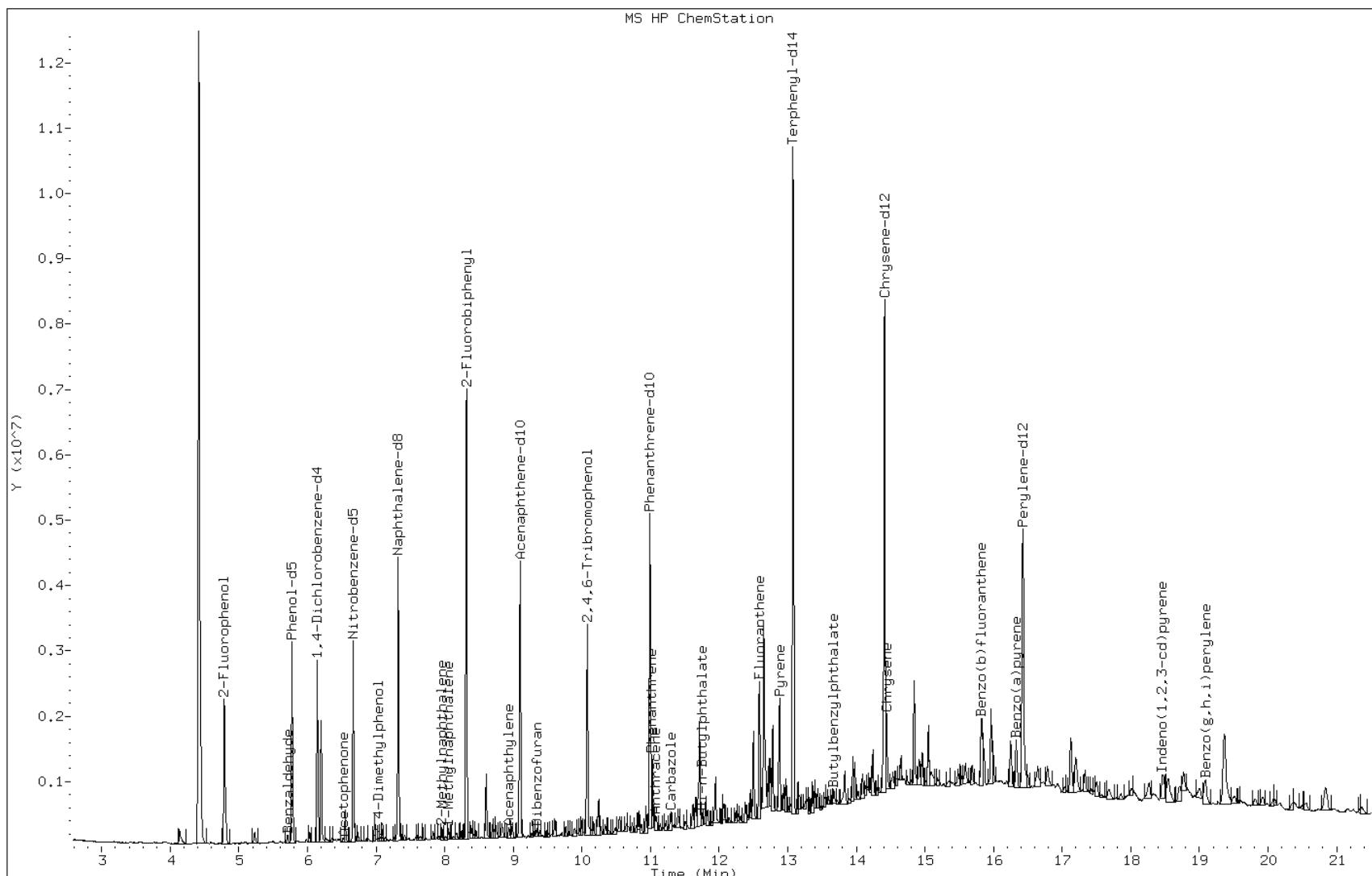
Date: 28-FEB-2013 10:50

Client ID: CV0005L-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-17-A

Operator: LEG



Data File: tb2694.d

Date: 28-FEB-2013 10:50

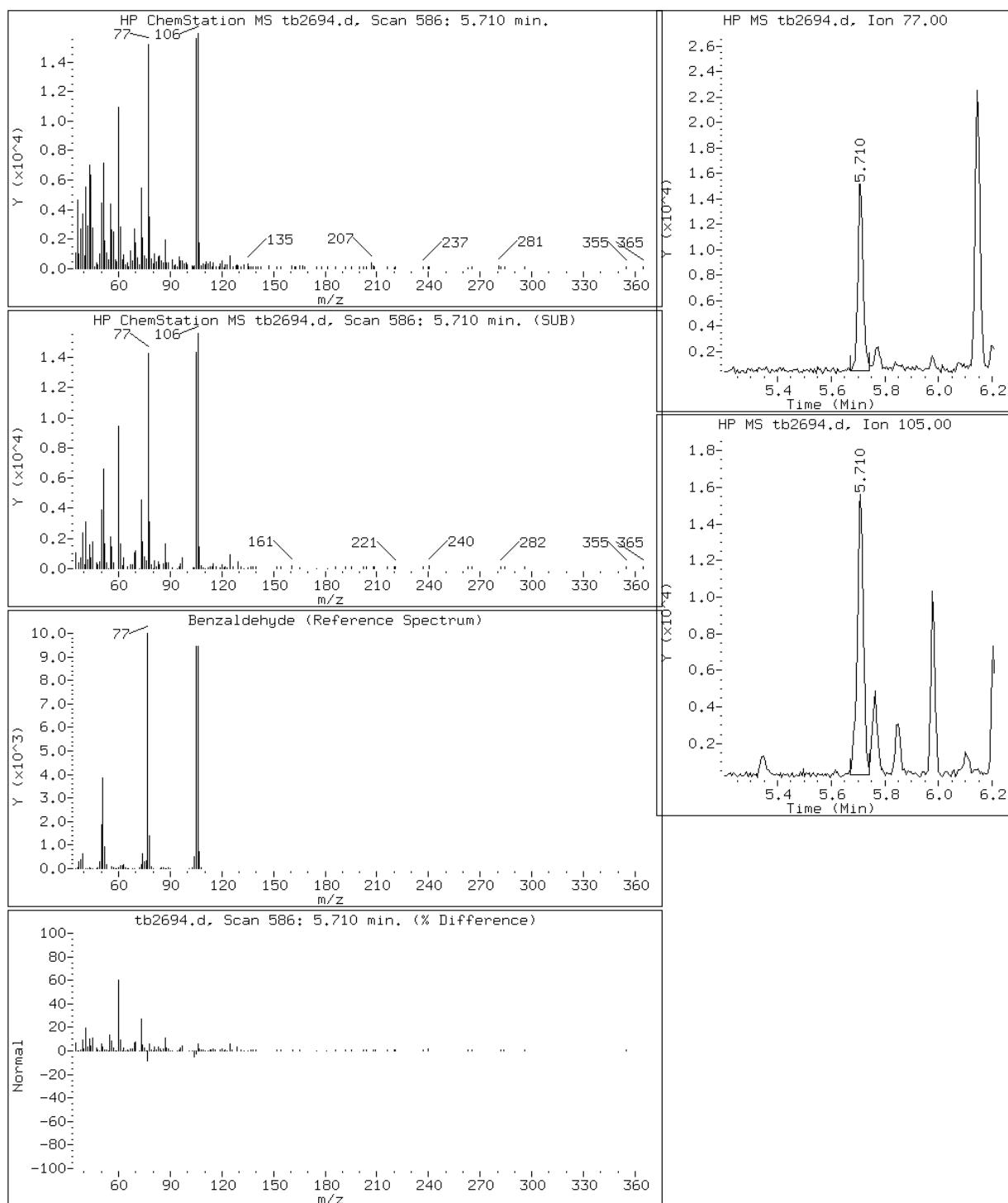
Client ID: CV0005L-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-17-A

Operator: LEG

90 Benzaldehyde



Data File: tb2694.d

Date: 28-FEB-2013 10:50

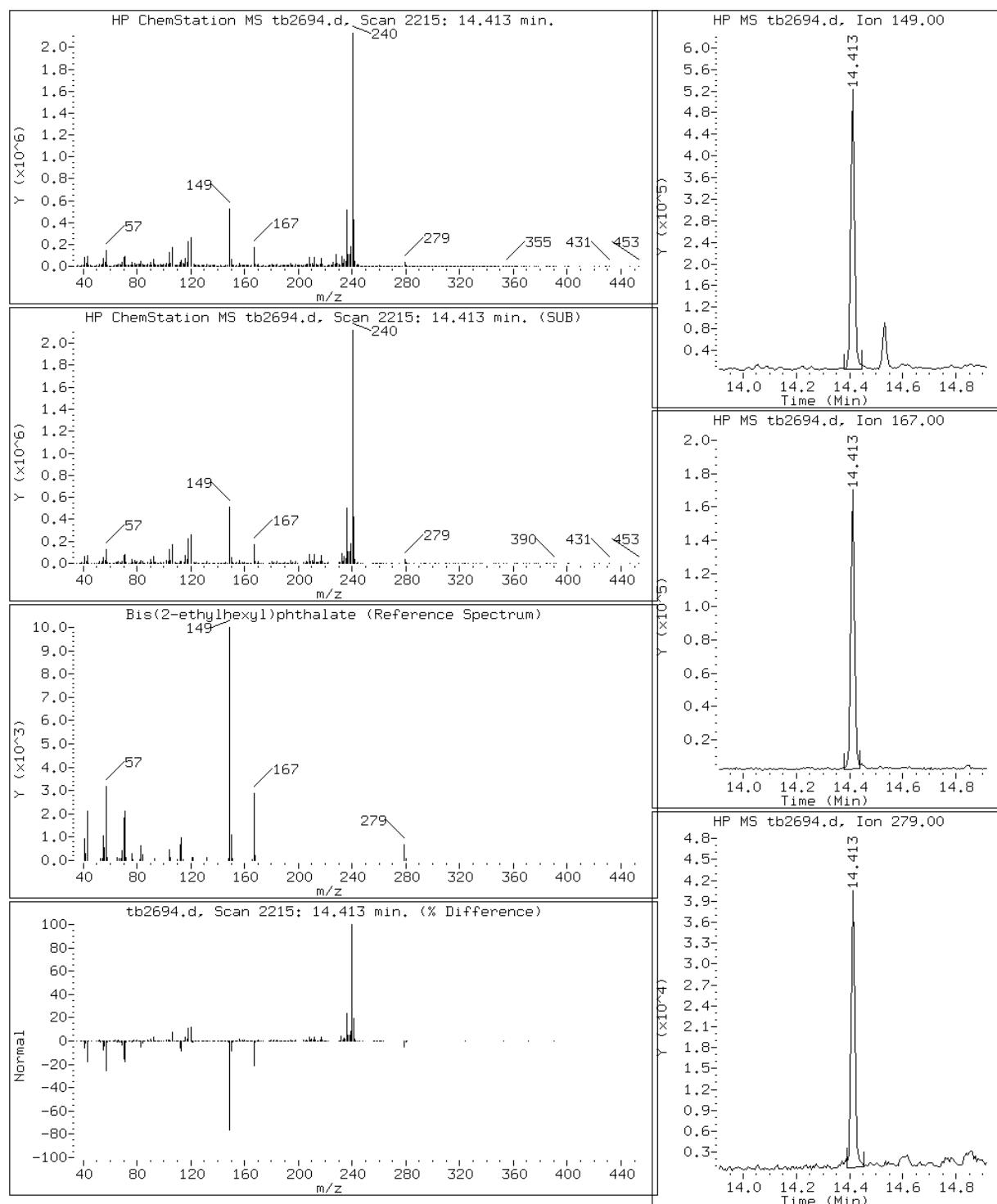
Client ID: CV0005L-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-17-A

Operator: LEG

77 Bis(2-ethylhexyl)phthalate



Data File: tb2694.d

Date: 28-FEB-2013 10:50

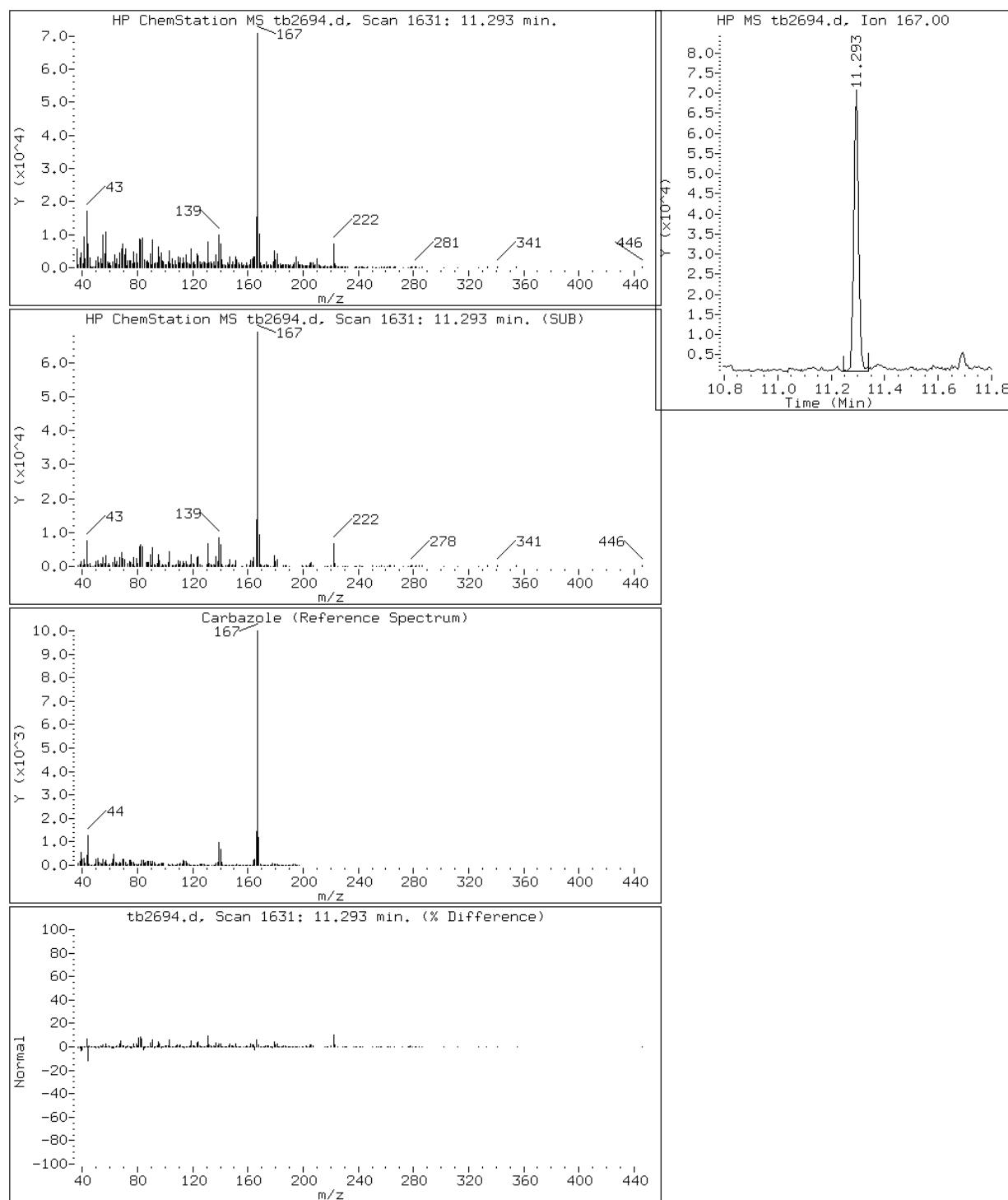
Client ID: CV0005L-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-17-A

Operator: LEG

67 Carbazole



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Client Sample ID: CV0005V-CS

Lab Sample ID: 680-87318-32

Matrix: Solid

Lab File ID: tb2695.d

Analysis Method: 8270D

Date Collected: 02/07/2013 14:34

Extract. Method: 3546

Date Extracted: 02/14/2013 10:04

Sample wt/vol: 30.00(g)

Date Analyzed: 02/28/2013 11:18

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 29.3

GPC Cleanup:(Y/N) N

Analysis Batch No.: 267924

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	58	J	470	40
1912-24-9	Atrazine	470	U *	470	33
100-52-7	Benzaldehyde	180	J	470	82
92-52-4	1,1'-Biphenyl	470	U	470	1000
111-91-1	Bis(2-chloroethoxy)methane	470	U	470	55
111-44-4	Bis(2-chloroethyl)ether	470	U	470	64
108-60-1	bis (2-chloroisopropyl) ether	470	U	470	42
117-81-7	Bis(2-ethylhexyl) phthalate	870		470	41
101-55-3	4-Bromophenyl phenyl ether	470	U	470	51
85-68-7	Butyl benzyl phthalate	62	J	470	37
105-60-2	Caprolactam	470	U	470	93
86-74-8	Carbazole	72	J	470	42
106-47-8	4-Chloroaniline	930	U	930	74
59-50-7	4-Chloro-3-methylphenol	470	U	470	50
91-58-7	2-Chloronaphthalene	470	U	470	50
95-57-8	2-Chlorophenol	470	U	470	57
7005-72-3	4-Chlorophenyl phenyl ether	470	U	470	62
91-94-1	3,3'-Dichlorobenzidine	930	U	930	40
120-83-2	2,4-Dichlorophenol	470	U	470	50
84-66-2	Diethyl phthalate	470	U	470	52
105-67-9	2,4-Dimethylphenol	140	J	470	62
131-11-3	Dimethyl phthalate	470	U	470	48
84-74-2	Di-n-butyl phthalate	46	J	470	42
534-52-1	4,6-Dinitro-2-methylphenol	2400	U	2400	240
51-28-5	2,4-Dinitrophenol	2400	U	2400	1200
121-14-2	2,4-Dinitrotoluene	470	U	470	69
606-20-2	2,6-Dinitrotoluene	470	U	470	59
117-84-0	Di-n-octyl phthalate	470	U	470	41
118-74-1	Hexachlorobenzene	470	U	470	55
87-68-3	Hexachlorobutadiene	470	U	470	51
77-47-4	Hexachlorocyclopentadiene	470	U	470	58
67-72-1	Hexachloroethane	470	U	470	40
78-59-1	Isophorone	470	U	470	47
95-48-7	2-Methylphenol	470	U	470	38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah	Job No.: 680-87318-5
SDG No.: 68087318-5	
Client Sample ID: CV0005V-CS	Lab Sample ID: 680-87318-32
Matrix: Solid	Lab File ID: tb2695.d
Analysis Method: 8270D	Date Collected: 02/07/2013 14:34
Extract. Method: 3546	Date Extracted: 02/14/2013 10:04
Sample wt/vol: 30.00(g)	Date Analyzed: 02/28/2013 11:18
Con. Extract Vol.: 1(mL)	Dilution Factor: 1
Injection Volume: 1(uL)	Level: (low/med) Low
% Moisture: 29.3	GPC Cleanup:(Y/N) N
Analysis Batch No.: 267924	Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	470	U	470	61
88-74-4	2-Nitroaniline	2400	U	2400	64
99-09-2	3-Nitroaniline	2400	U	2400	65
100-01-6	4-Nitroaniline	2400	U	2400	69
98-95-3	Nitrobenzene	470	U	470	37
88-75-5	2-Nitrophenol	470	U	470	58
100-02-7	4-Nitrophenol	2400	U	2400	470
621-64-7	N-Nitrosodi-n-propylamine	470	U	470	45
86-30-6	N-Nitrosodiphenylamine	470	U	470	47
87-86-5	Pentachlorophenol	2400	U	2400	470
108-95-2	Phenol	470	U	470	48
95-95-4	2,4,5-Trichlorophenol	470	U	470	50
88-06-2	2,4,6-Trichlorophenol	470	U	470	41

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	83		58-130
367-12-4	2-Fluorophenol (Surr)	69		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	72		46-130
4165-62-2	Phenol-d5 (Surr)	75		49-130
1718-51-0	Terphenyl-d14 (Surr)	97		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	83		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/3t022613D.b/tb2695.d
Lab Smp Id: 680-87318-B-32-A Client Smp ID: CV0005V-CS
Inj Date : 28-FEB-2013 11:18
Operator : LEG Inst ID: MST5973.i
Smp Info : 680-87318-B-32-A
Misc Info : 680-87318-B-32-A
Comment :
Method : /chem/SM/MST5973.i/3t022613D.b/t-8270D-m.m
Meth Date : 01-Mar-2013 12:36 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 21:18 Cal File: tb2615q.d
Als bottle: 69
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:

Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	30.00000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv)
GPC	1.00000	GPC FACTOR

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
* 1 1,4-Dichlorobenzene-d4	====	==	=====	=====	=====	=====	=====	=====
\$ 5 2-Fluorophenol	152	6.143	6.143 (1.000)		345302	40.0000		
\$ 6 Phenol-d5	112	4.791	4.781 (0.780)		791928	69.0165	2300	
* 20 Naphthalene-d8	99	5.774	5.774 (0.940)		1103720	75.2666	2500	
\$ 21 Nitrobenzene-d5	136	7.324	7.324 (1.000)		1380953	40.0000		
25 2,4-Dimethylphenol	82	6.667	6.667 (0.910)		845902	72.1573	2400	
30 Naphthalene	122	7.046	7.008 (0.962)		29422	2.91658	97(aQ)	
	128	7.340	7.340 (1.002)		71464	2.11323	70(a)	

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
34 2-Methylnaphthalene	142	7.959	7.959	(1.087)	47278	2.04193	68(a)
35 1-Methylnaphthalene	142	8.061	8.061	(1.101)	40732	1.86509	62(a)
* 36 Acenaphthene-d10	164	9.097	9.103	(1.000)	874828	40.0000	
\$ 40 2-Fluorobiphenyl	172	8.317	8.317	(0.914)	2114286	82.8430	2800
45 Acenaphthylene	152	8.937	8.937	(0.982)	87307	2.41178	80(a)
47 Acenaphthene	154	9.140	9.140	(1.005)	9999	0.44111	15(a)
50 Dibenzofuran	168	9.348	9.348	(1.028)	44267	1.34405	45(a)
54 Fluorene	166	9.770	9.776	(1.074)	17773	0.67681	23(a)
\$ 57 2,4,6-Tribromophenol	329	10.080	10.080	(1.108)	312723	82.7036	2800
* 58 Phenanthrene-d10	188	10.994	10.994	(1.000)	1566641	40.0000	
65 Phenanthrene	178	11.021	11.026	(1.002)	360350	8.78124	290(a)
66 Anthracene	178	11.090	11.090	(1.009)	78958	1.89695	63(a)
67 Carbazole	167	11.293	11.298	(1.027)	59114	1.52565	51(a)
68 Di-n-Butylphthalate	149	11.752	11.752	(1.069)	45075	0.97804	33(a)
69 Fluoranthene	202	12.586	12.586	(1.145)	936968	19.8189	660
* 71 Chrysene-d12	240	14.413	14.413	(1.000)	1740221	40.0000	
72 Pyrene	202	12.880	12.880	(0.894)	868930	15.7791	530
\$ 73 Terphenyl-d14	244	13.077	13.077	(0.907)	2962665	97.3249	3200
74 Butylbenzylphthalate	149	13.697	13.697	(0.950)	31155	1.31162	44(a)
76 Benzo(a)Anthracene	228	14.397	14.402	(0.999)	475984	9.29373	310(a)
77 Bis(2-ethylhexyl)phthalate	149	14.413	14.413	(1.000)	562473	18.4454	610
78 Chrysene	228	14.445	14.445	(1.002)	589261	11.5596	390
* 79 Perylene-d12	264	16.427	16.422	(1.000)	1869220	40.0000	
80 Di-n-octylphthalate	149	15.225	15.220	(1.056)	24346	0.43298	14(a)
81 Benzo(b)fluoranthene	252	15.829	15.829	(0.964)	783935	15.8606	530
82 Benzo(k)fluoranthene	252	15.861	15.866	(0.966)	332449	6.57381	220(a)
83 Benzo(a)pyrene	252	16.331	16.336	(0.994)	495224	11.1722	370
84 Indeno(1,2,3-cd)pyrene	276	18.468	18.478	(1.281)	370272	6.14845	200(a)
85 Dibenzo(a,h)anthracene	278	18.494	18.510	(1.126)	77762	1.68508	56(a)
86 Benzo(g,h,i)perylene	276	19.087	19.103	(1.162)	382399	7.88991	260(a)
89 Acetophenone	105	6.522	6.522	(0.891)	18438	1.23832	41(a)
90 Benzaldehyde	77	5.710	5.705	(0.930)	29349	3.91791	130(a)
91 1,1-Biphenyl	154	8.424	8.424	(0.926)	21227	0.68368	23(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
 Q - Qualifier signal failed the ratio test.

Data File: tb2695.d

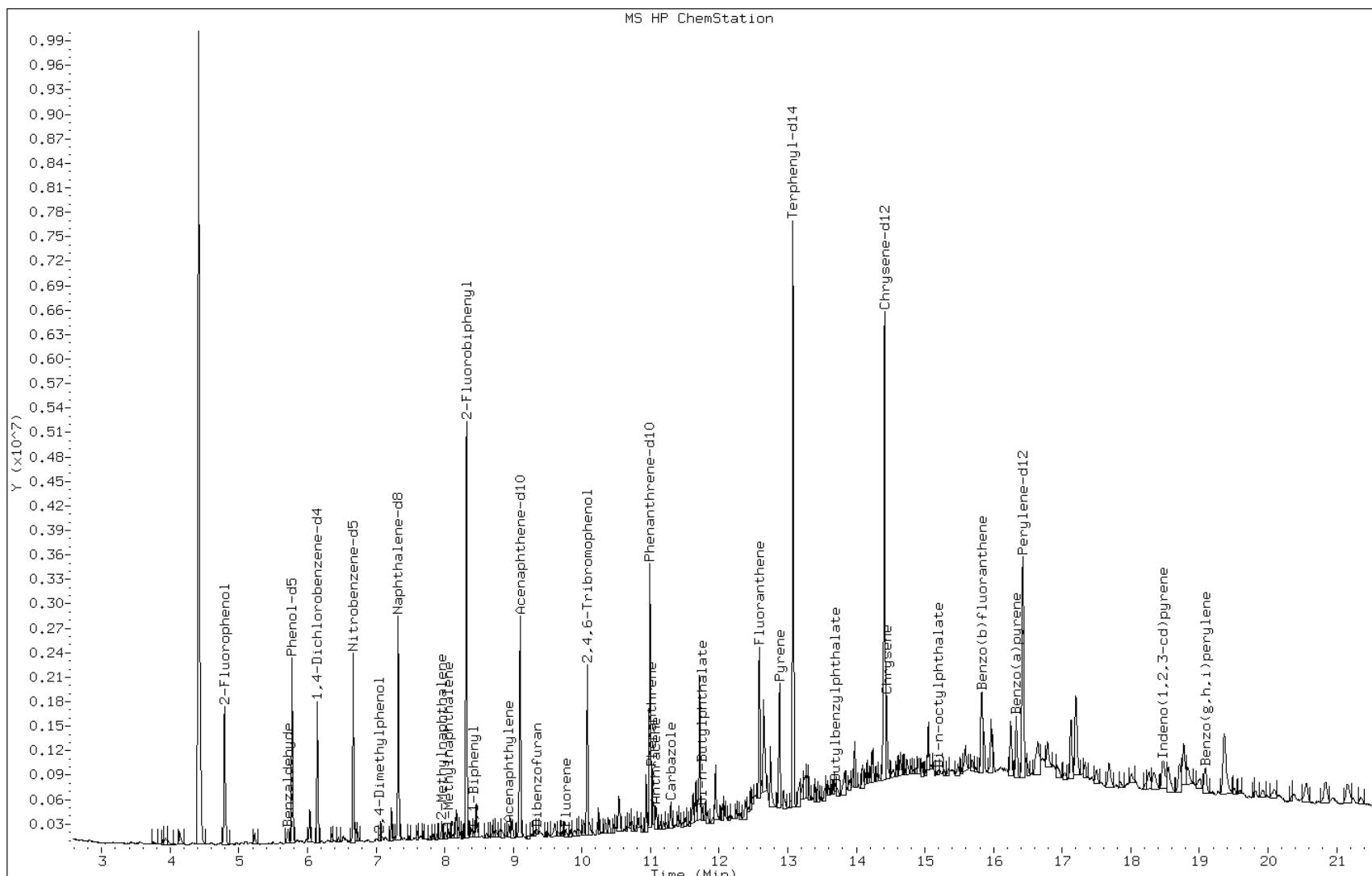
Date: 28-FEB-2013 11:18

Client ID: CV0005V-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-32-A

Operator: LEG



Data File: tb2695.d

Date: 28-FEB-2013 11:18

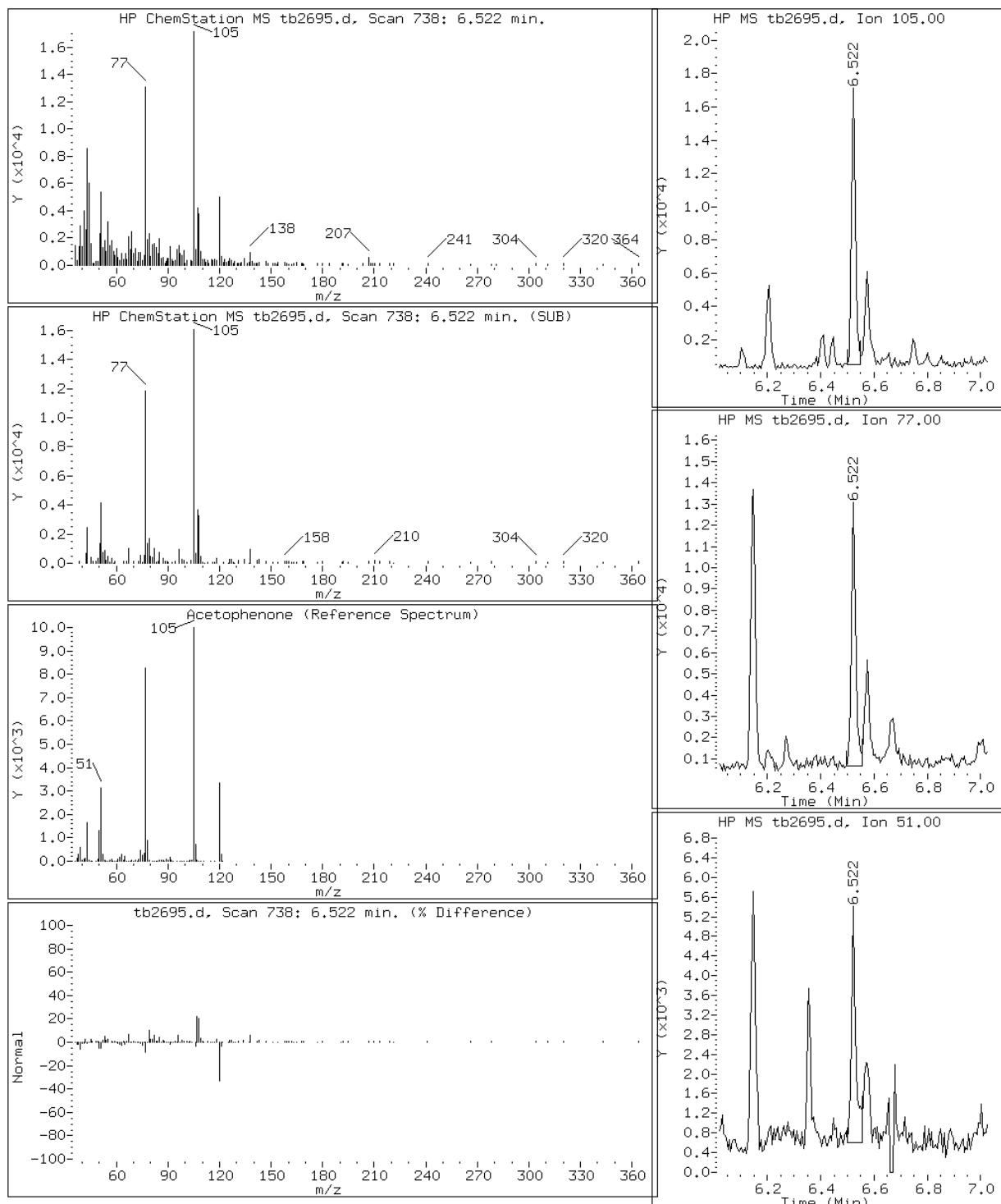
Client ID: CV0005V-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-32-A

Operator: LEG

89 Acetophenone



Data File: tb2695.d

Date: 28-FEB-2013 11:18

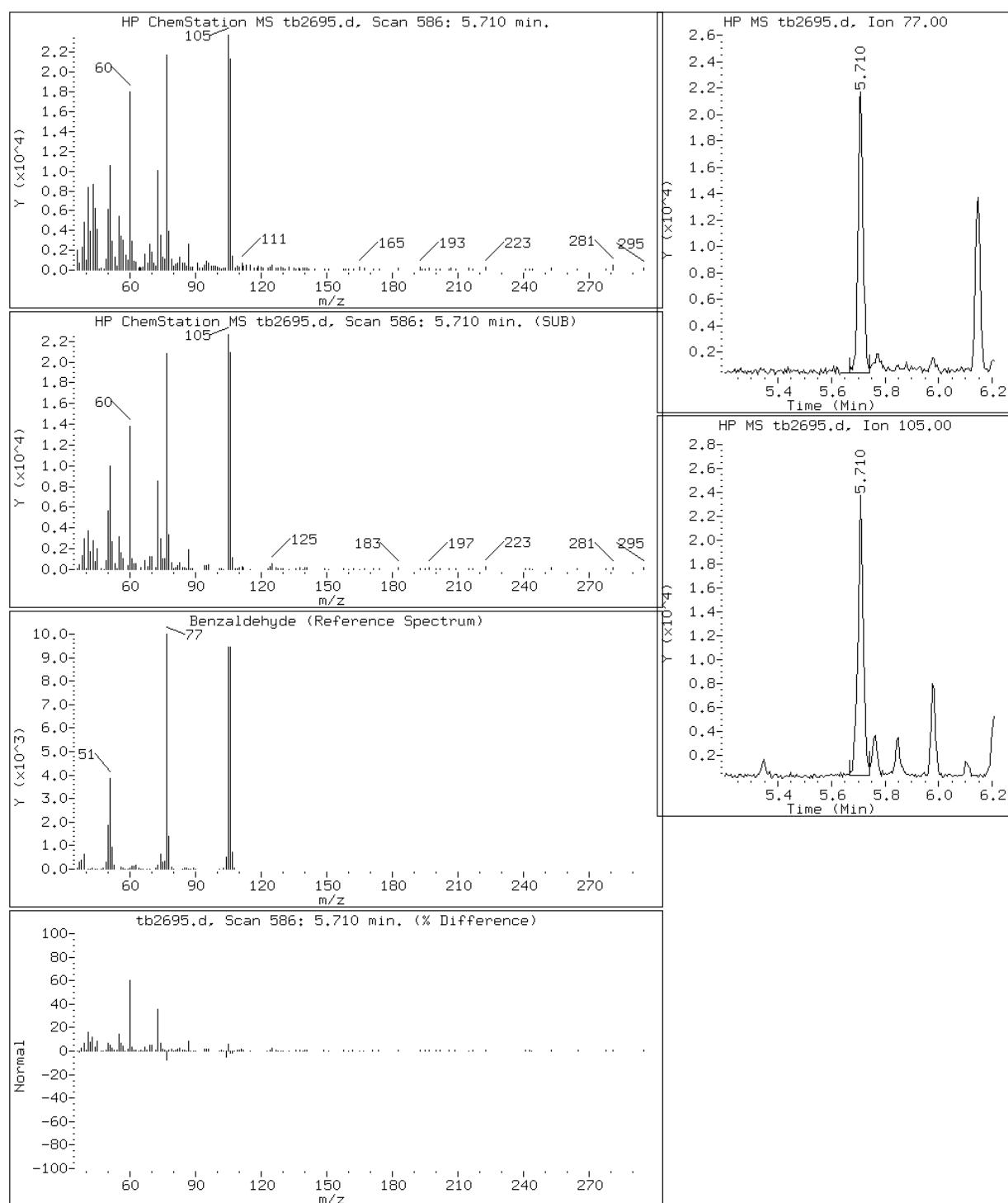
Client ID: CV0005V-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-32-A

Operator: LEG

90 Benzaldehyde



Data File: tb2695.d

Date: 28-FEB-2013 11:18

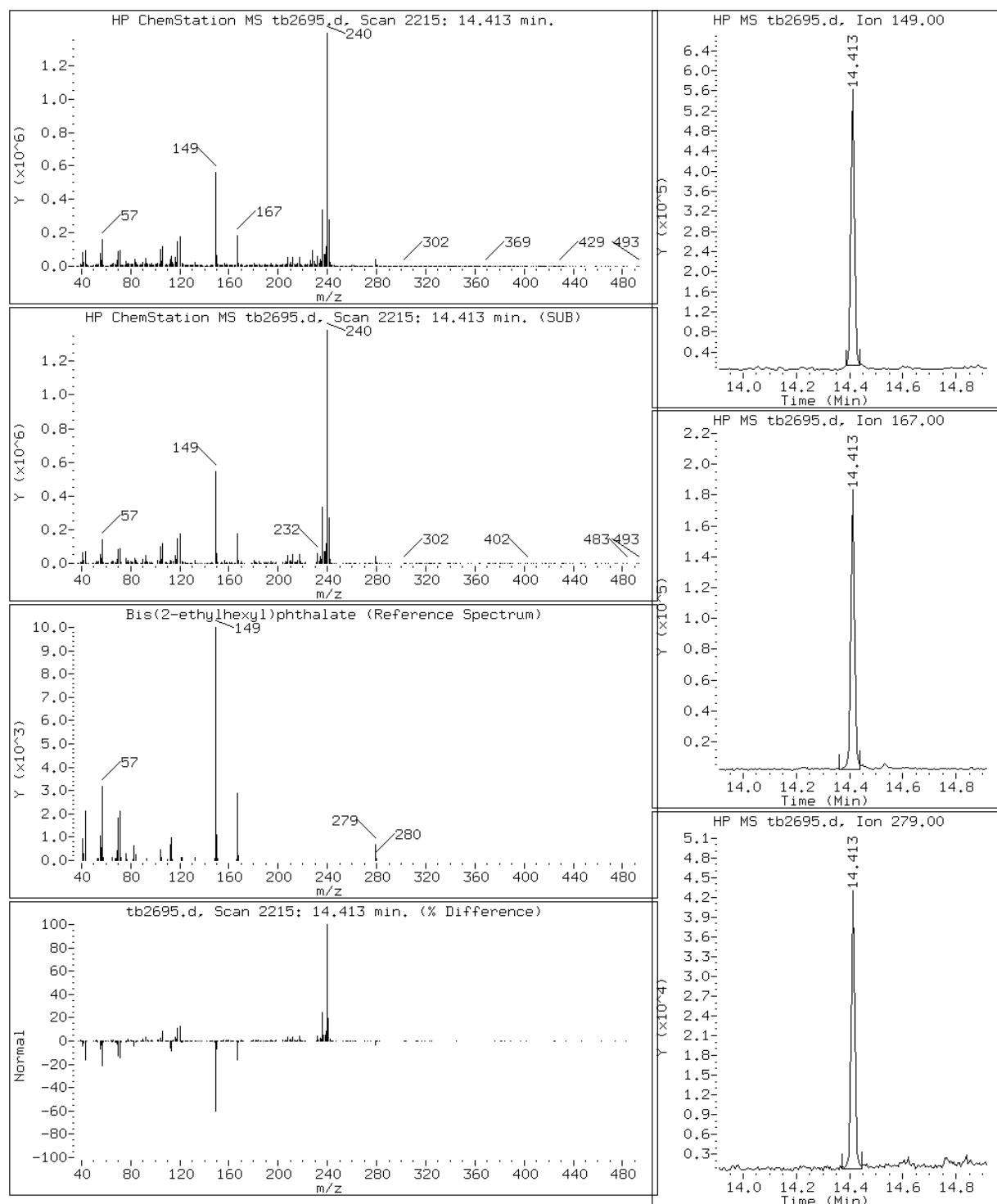
Client ID: CV0005V-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-32-A

Operator: LEG

77 Bis(2-ethylhexyl)phthalate



Data File: tb2695.d

Date: 28-FEB-2013 11:18

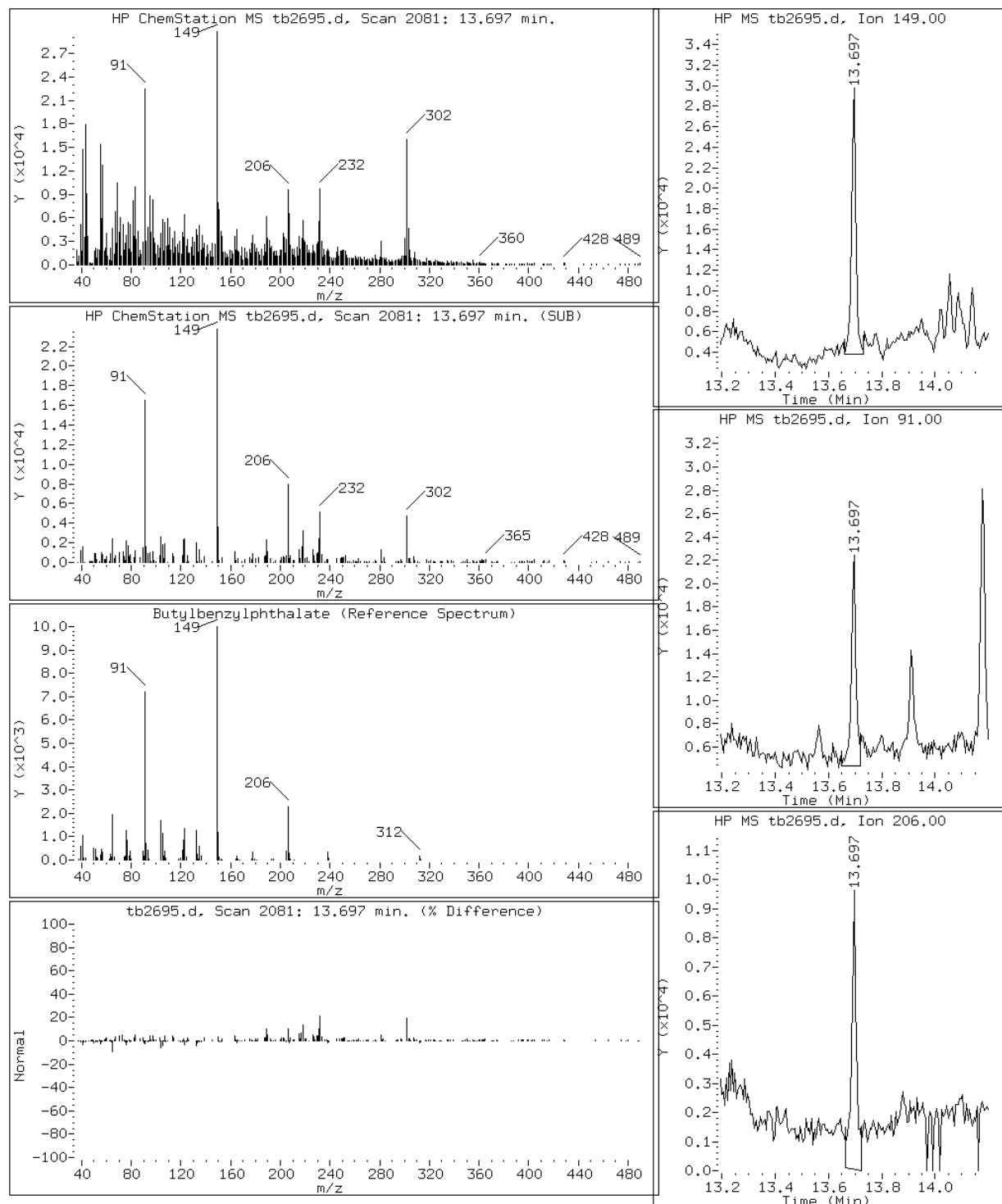
Client ID: CV0005V-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-32-A

Operator: LEG

74 Butylbenzylphthalate



Data File: tb2695.d

Date: 28-FEB-2013 11:18

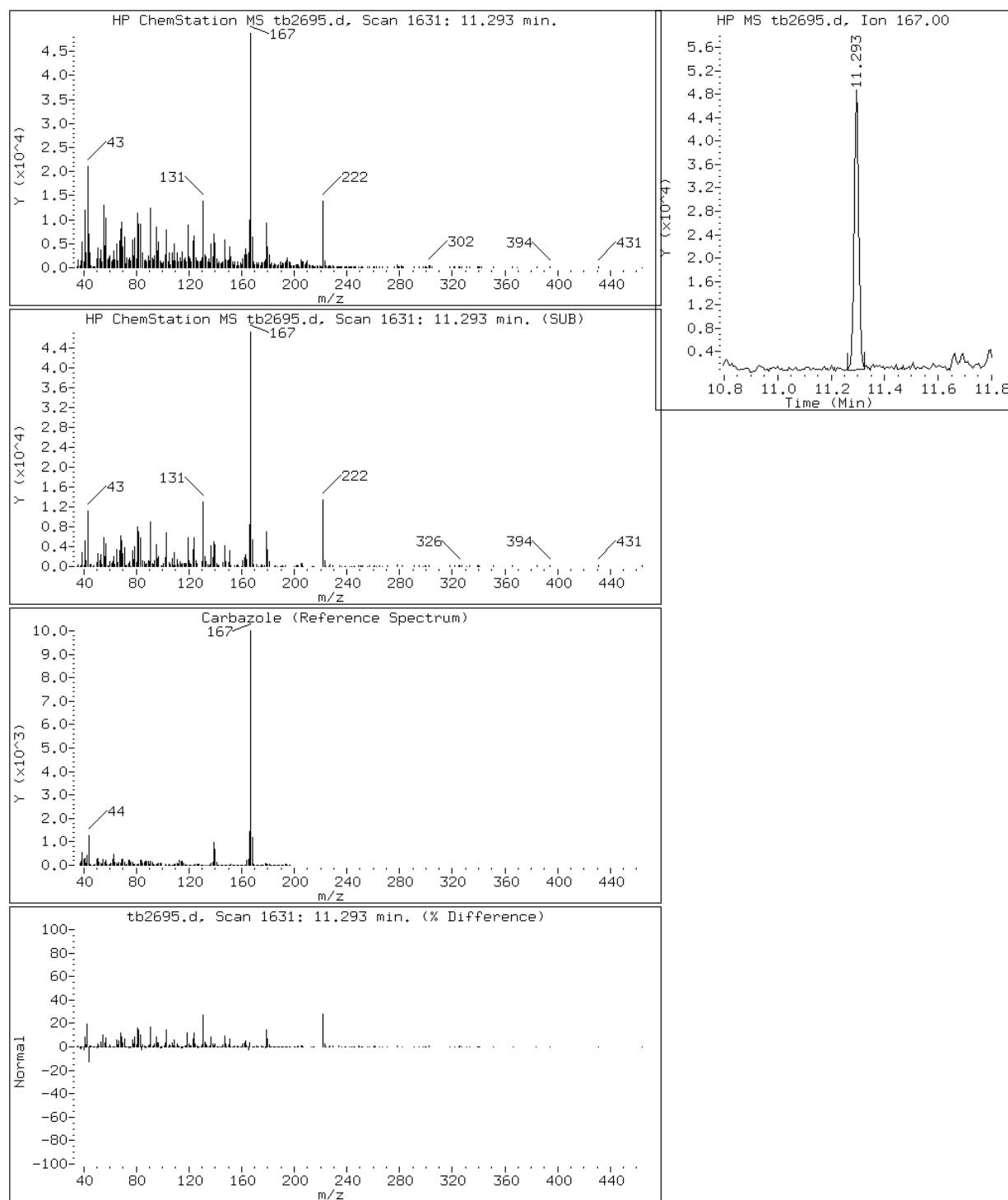
Client ID: CV0005V-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-32-A

Operator: LEG

67 Carbazole



Data File: tb2695.d

Date: 28-FEB-2013 11:18

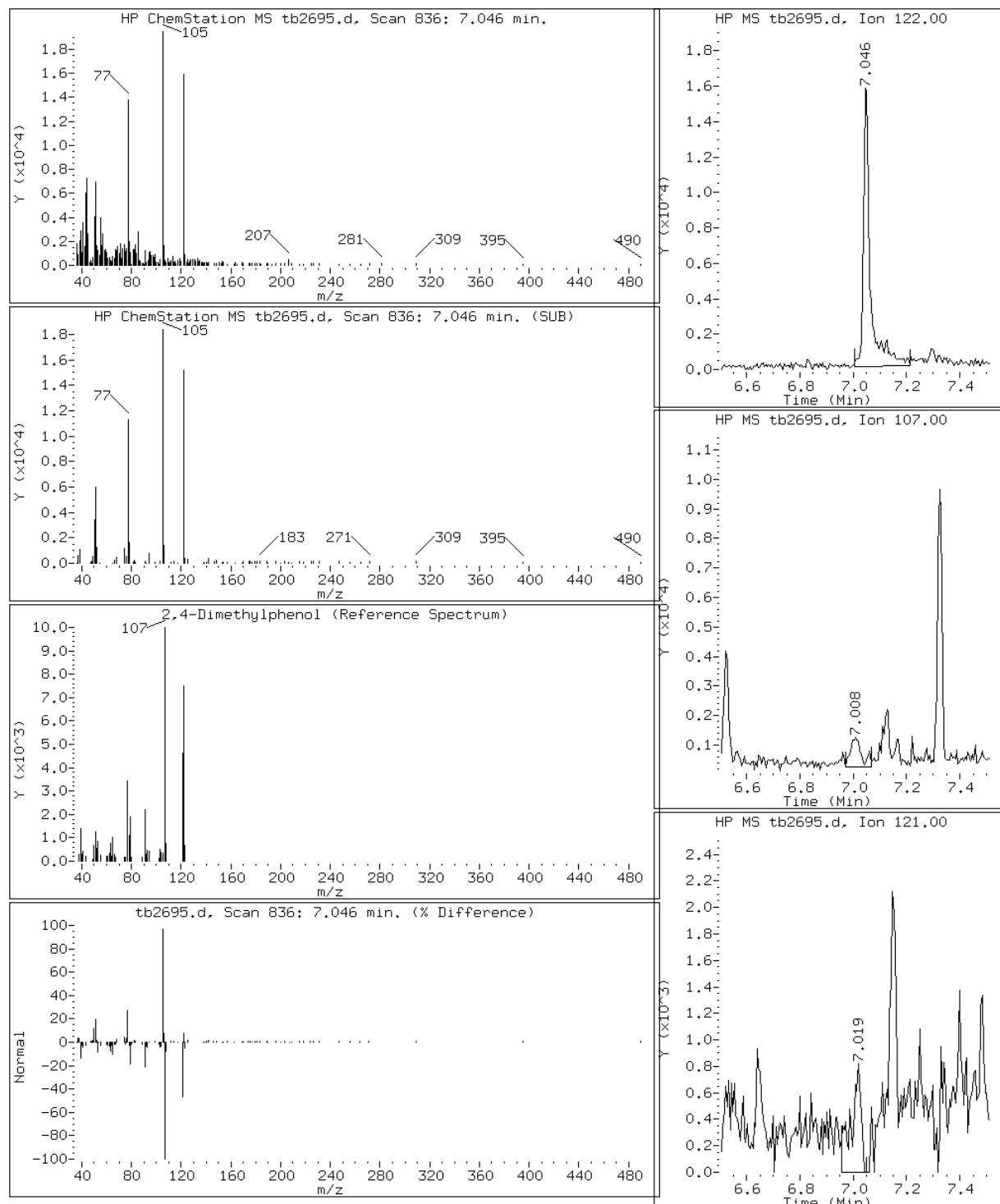
Client ID: CV0005V-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-32-A

Operator: LEG

25 2,4-Dimethylphenol



Data File: tb2695.d

Date: 28-FEB-2013 11:18

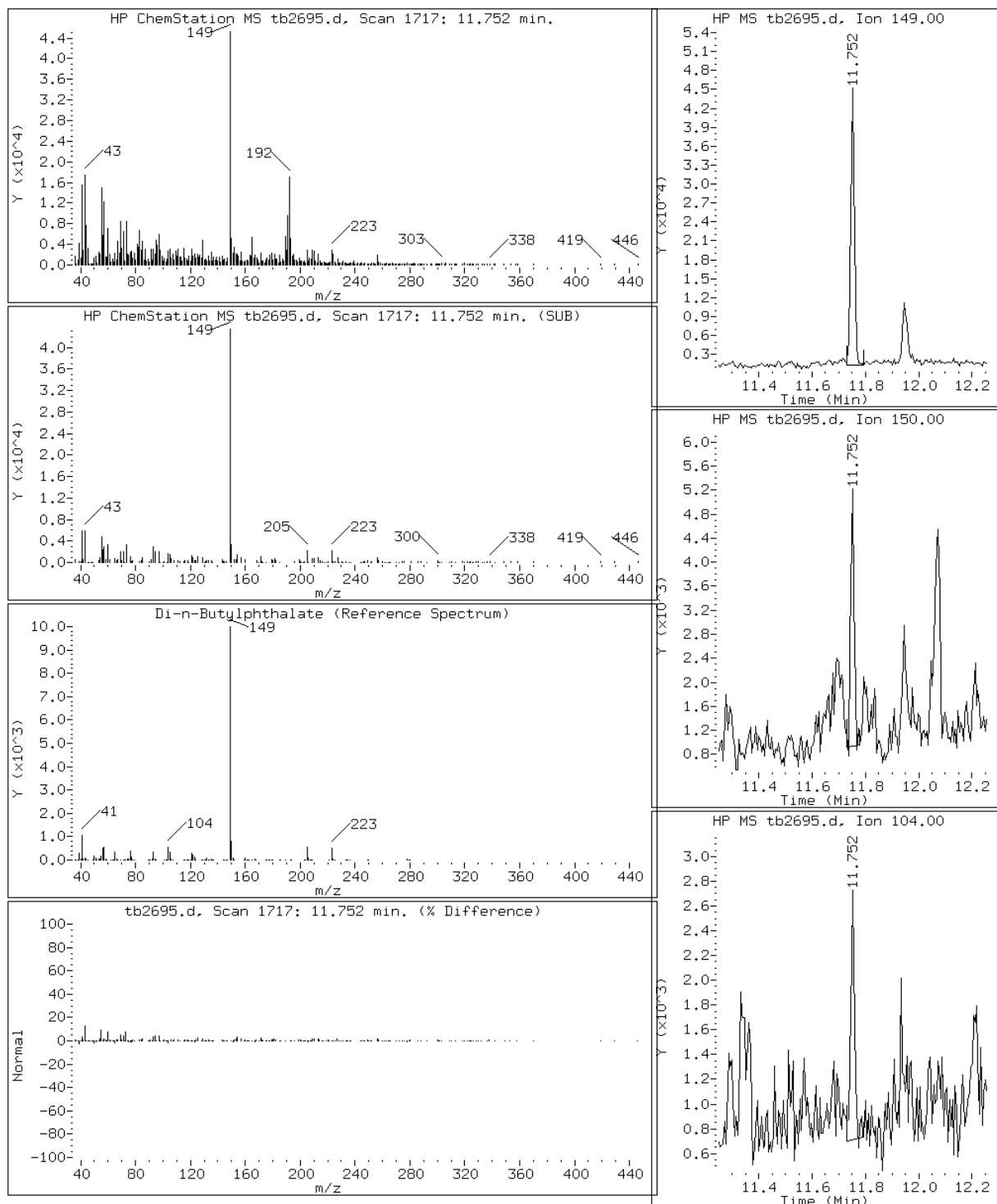
Client ID: CV0005V-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-32-A

Operator: LEG

68 Di-n-Butylphthalate



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267280

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2013 13:57 Calibration End Date: 02/22/2013 16:46 Calibration ID: 16464

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-267280/7	tb2213q.d
Level 2	IC 680-267280/6	tb2212q.d
Level 3	IC 680-267280/5	tb2211q.d
Level 4	ICIS 680-267280/2	tb2208q.d
Level 5	IC 680-267280/4	tb2210q.d
Level 6	IC 680-267280/3	tb2209q.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.7114 0.7118	0.6933	0.6716	0.6571	0.6666	Ave		0.6853				3.4		20.0			
N-Nitrosodimethylamine	0.6853 0.7058	0.6873	0.6754	0.6807	0.6658	Ave		0.6834				2.0		20.0			
Pyridine	1.6062 1.6781	1.6421	1.5679	1.6003	1.5580	Ave		1.6087				2.8		20.0			
Methyl Phenols, Total	2.6663 2.4375	2.6742	2.6066	2.6124	2.5140	Ave		2.5852			0.6000	3.6		20.0			
Benzaldehyde	0.9949 +++++	0.9223	0.7373	0.5774	0.4995	Ave		0.7463			0.0100	28.6	*	20.0			
Phenol	1.8963 1.8417	1.9312	1.8904	1.9026	1.8269	Ave		1.8815			0.8000	2.1		20.0			
Aniline	2.0871 1.6356	2.0120	1.8460	1.7878	1.6789	Ave		1.8412				9.8		20.0			
Bis(2-chloroethyl)ether	1.0517 1.0220	1.0371	1.0076	1.0192	0.9795	Ave		1.0195			0.7000	2.4		20.0			
2-Chlorophenol	1.4850 1.3848	1.4643	1.4267	1.4226	1.3809	Ave		1.4274			0.8000	2.9		20.0			
1,3-Dichlorobenzene	1.6493 1.5303	1.6343	1.5628	1.5591	1.5069	Ave		1.5738				3.6		20.0			
1,4-Dichlorobenzene	1.6168 1.5078	1.5569	1.5137	1.5117	1.4919	Ave		1.5331				3.0		20.0			
Benzyl alcohol	0.8480 0.9274	0.8632	0.9121	0.9418	0.9067	Ave		0.8999				4.1		20.0			
1,2-Dichlorobenzene	1.5474 1.3331	1.5159	1.4292	1.4076	1.3628	Ave		1.4327				5.9		20.0			
2-Methylphenol	1.0936 1.0207	1.1114	1.0774	1.0733	1.0393	Ave		1.0693			0.7000	3.2		20.0			
bis (2-chloroisopropyl) ether	2.2656 2.0622	2.2355	2.1547	2.1603	2.0762	Ave		2.1591			0.0100	3.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267280

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2013 13:57 Calibration End Date: 02/22/2013 16:46 Calibration ID: 16464

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodi-n-propylamine	0.8537 0.8072	0.8577	0.8554	0.8602	0.8145	Ave		0.8414			0.5000	2.8		20.0			
Acetophenone	0.4685 0.3703	0.4711	0.4324	0.4149	0.3962	Ave		0.4256			0.0100	9.4		20.0			
3 & 4 Methylphenol	1.5728 1.4167	1.5628	1.5292	1.5391	1.4747	Ave		1.5159				3.9		20.0			
Hexachloroethane	0.5656 0.5643	0.5758	0.5613	0.5667	0.5507	Ave		0.5641			0.3000	1.4		20.0			
Nitrobenzene	0.3124 0.3165	0.3199	0.3211	0.3206	0.3055	Ave		0.3160			0.2000	1.9		20.0			
Isophorone	0.6364 0.6251	0.6509	0.6462	0.6493	0.6217	Ave		0.6383			0.4000	2.0		20.0			
2-Nitrophenol	0.1624 0.1865	0.1691	0.1814	0.1820	0.1772	Ave		0.1764			0.1000	5.1		20.0			
2,4-Dimethylphenol	0.2755 0.2951	0.2809	0.2829	0.2801	0.2694	Ave		0.2807			0.2000	3.1		20.0			
Bis(2-chloroethoxy)methane	0.4140 0.3847	0.4050	0.4002	0.4020	0.3822	Ave		0.3980			0.3000	3.1		20.0			
Benzoic acid	0.1803 0.2706	0.2069	0.2323	0.2506	0.2396	Ave		0.2301				14.0		20.0			
2,4-Dichlorophenol	0.2783 0.2673	0.2788	0.2782	0.2774	0.2688	Ave		0.2748			0.2000	1.9		20.0			
1,2,4-Trichlorobenzene	0.3243 0.2797	0.3152	0.3031	0.2956	0.2827	Ave		0.3001				5.9		20.0			
Naphthalene	1.0265 0.9008	1.0159	0.9837	0.9735	0.9398	Ave		0.9734			0.7000	4.8		20.0			
4-Chloroaniline	0.3927 0.3712	0.4023	0.4026	0.3957	0.3703	Ave		0.3892			0.0100	3.8		20.0			
Hexachlorobutadiene	0.1683 0.1434	0.1658	0.1558	0.1507	0.1452	Ave		0.1549			0.0100	6.7		20.0			
Caprolactam	0.0985 +++++	0.1092	0.1087	0.1131	0.1091	Ave		0.1077			0.0100	5.1		20.0			
4-Chloro-3-methylphenol	0.2584 0.2752	0.2684	0.2733	0.2780	0.2697	Ave		0.2705			0.2000	2.6		20.0			
2-Methylnaphthalene	0.6619 0.5979	0.6627	0.6399	0.6419	0.6185	Ave		0.6371			0.4000	4.0		20.0			
1-Methylnaphthalene	0.6242 0.5668	0.6254	0.6065	0.6041	0.5863	Ave		0.6022				3.8		20.0			
Hexachlorocyclopentadiene	0.2349 0.2838	0.2569	0.2826	0.2921	0.2755	Ave		0.2710			0.0500	7.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-87318-5 Analy Batch No.: 267280

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2013 13:57 Calibration End Date: 02/22/2013 16:46 Calibration ID: 16464

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,4,6-Trichlorophenol	0.3200 0.3171	0.3315	0.3310	0.3322	0.3174	Ave		0.3249			0.2000	2.3		20.0			
2,4,5-Trichlorophenol	0.3473 0.3332	0.3535	0.3512	0.3452	0.3314	Ave		0.3436			0.2000	2.7		20.0			
1,1'-Biphenyl	1.5638 1.2738	1.4924	1.4163	1.3716	1.3186	Ave		1.4061			0.0100	7.7		20.0			
2-Chloronaphthalene	1.1426 0.9798	1.0928	1.0478	1.0338	0.9895	Ave		1.0477			0.8000	5.9		20.0			
2-Nitroaniline	+++++ 0.2952	0.2537	0.2821	0.2876	0.2799	Ave		0.2797			0.0100	5.6		20.0			
Dimethyl phthalate	1.2117 1.1222	1.1925	1.1783	1.1787	1.1196	Ave		1.1672			0.0100	3.2		20.0			
2,6-Dinitrotoluene	0.1874 0.2613	0.2207	0.2489	0.2585	0.2461	Ave		0.2371			0.2000	11.9		20.0			
Acenaphthylene	1.6724 1.5257	1.6907	1.6484	1.6254	1.5645	Ave		1.6212			0.9000	4.0		20.0			
3-Nitroaniline	0.2527 0.3191	0.2811	0.3098	0.3186	0.3031	Ave		0.2974			0.0100	8.7		20.0			
Acenaphthene	1.0691 1.0001	1.0671	1.0414	1.0429	1.0075	Ave		1.0380			0.9000	2.8		20.0			
2,4-Dinitrophenol	+++++ 0.1727	0.0974	0.1419	0.1552	0.1487	Ave		0.1432			0.0100	19.6		20.0			
4-Nitrophenol	+++++ 0.2153	0.1835	0.2005	0.2116	0.2038	Ave		0.2030			0.0100	6.1		20.0			
2,4-Dinitrotoluene	0.2760 0.3570	0.3094	0.3420	0.3546	0.3363	Ave		0.3292			0.2000	9.5		20.0			
Dibenzofuran	1.5708 1.3283	1.5345	1.4562	1.4343	1.3640	Ave		1.4480			0.8000	6.5		20.0			
Diethyl phthalate	1.1193 1.0358	1.1078	1.0763	1.0890	1.0436	Ave		1.0786			0.0100	3.1		20.0			
4-Chlorophenyl phenyl ether	0.5982 0.5152	0.5861	0.5581	0.5513	0.5271	Ave		0.5560			0.4000	5.8		20.0			
Fluorene	1.2468 1.0644	1.2181	1.1738	1.1570	1.1009	Ave		1.1602			0.9000	5.9		20.0			
4-Nitroaniline	0.2547 0.3222	0.2744	0.3046	0.3238	0.3063	Ave		0.2977			0.0100	9.3		20.0			
4,6-Dinitro-2-methylphenol	0.0830 0.1488	0.1067	0.1296	0.1368	0.1332	Ave		0.1230			0.0100	19.5		20.0			
N-Nitrosodiphenylamine	0.5337 0.5176	0.5336	0.5207	0.5256	0.5120	Ave		0.5239			0.0100	1.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-87318-5 Analy Batch No.: 267280

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2013 13:57 Calibration End Date: 02/22/2013 16:46 Calibration ID: 16464

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine(as Azobenzene)	0.7198 0.7156	0.7287	0.7152	0.7155	0.6961	Ave		0.7151				1.5		20.0			
4-Bromophenyl phenyl ether	0.2001 0.1926	0.2002	0.1956	0.1965	0.1916	Ave		0.1961			0.1000	1.8		20.0			
Hexachlorobenzene	0.2405 0.2081	0.2316	0.2214	0.2156	0.2113	Ave		0.2214			0.1000	5.6		20.0			
Atrazine	0.1714 +++++	0.1643	0.1222	0.1091	0.0966	Ave		0.1327			0.0100	25.2	*	20.0			
Pentachlorophenol	+++++ 0.1437	0.1188	0.1321	0.1398	0.1352	Ave		0.1339			0.0500	7.1		20.0			
Dinoseb	0.0706 0.1927	0.1036	0.1564	0.1724	0.1689	QuaF		6.4839	-1.351						0.9984		0.9900
Phenanthrene	1.1010 0.9952	1.1019	1.0530	1.0443	1.0116	Ave		1.0512			0.7000	4.2		20.0			
Anthracene	1.0913 0.9984	1.1182	1.0738	1.0662	1.0317	Ave		1.0633			0.7000	4.0		20.0			
Carbazole	1.0200 0.9542	1.0336	1.0057	0.9928	0.9561	Ave		0.9937			0.0100	3.3		20.0			
Di-n-butyl phthalate	1.0939 1.1087	1.1482	1.1736	1.1814	1.1333	Ave		1.1398			0.0100	3.1		20.0			
Fluoranthene	1.1341 1.0677	1.1706	1.1399	1.1385	1.0888	Ave		1.1233			0.6000	3.4		20.0			
Benzidine	0.3651 +++++	0.3046	0.3042	0.2736	0.2499	Ave		0.2995				14.4		20.0			
Pyrene	1.2441 1.1746	1.2622	1.2224	1.2234	1.1951	Ave		1.2203			0.6000	2.6		20.0			
Butyl benzyl phthalate	0.4495 0.5413	0.4834	0.5188	0.5375	0.5223	Ave		0.5088			0.0100	7.0		20.0			
Bis(2-ethylhexyl) phthalate	0.6342 0.6461	0.6824	0.6930	0.6986	0.6776	Ave		0.6720			0.0100	3.9		20.0			
3,3'-Dichlorobenzidine	0.3584 0.3299	0.3701	0.3874	0.3604	0.3371	Ave		0.3572			0.0100	5.9		20.0			
Benzo[a]anthracene	1.1527 1.0491	1.1285	1.1005	1.0913	1.0636	Ave		1.0976			0.8000	3.5		20.0			
Chrysene	1.1413 1.0319	1.1241	1.0917	1.0902	1.0534	Ave		1.0888			0.7000	3.8		20.0			
Di-n-octyl phthalate	0.9623 1.3136	1.0831	1.2357	1.3063	1.2702	Ave		1.1952			0.0100	11.9		20.0			
Benzo[b]fluoranthene	1.0506 0.9658	1.0518	0.9959	1.0133	0.9796	Ave		1.0095			0.7000	3.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267280

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2013 13:57 Calibration End Date: 02/22/2013 16:46 Calibration ID: 16464

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[k]fluoranthene	1.1703 0.9940	1.2018	1.1287	1.0843	1.0575	Ave		1.1061			0.7000	6.9		20.0			
Benzo[a]pyrene	0.9272 0.8914	0.9445	0.9394	0.9338	0.9096	Ave		0.9243			0.7000	2.2		20.0			
Indeno[1,2,3-cd]pyrene	1.1335 1.3368	1.1826	1.3451	1.3029	1.2443	Ave		1.2576			0.5000	6.9		20.0			
Dibenz(a,h)anthracene	1.0293 0.9612	1.0495	1.0590	1.0274	0.9842	Ave		1.0184			0.4000	3.7		20.0			
Benzo[g,h,i]perylene	1.0100 1.0990	1.0607	1.1051	1.0987	1.0585	Ave		1.0720			0.5000	3.4		20.0			
2-Fluorophenol (Surr)	1.3741 1.4169	1.3694	1.3891	1.3875	1.3522	Ave		1.3815				1.6		20.0			
Phenol-d5 (Surr)	1.7055 1.7203	1.7083	1.7117	1.7266	1.6812	Ave		1.7089				0.9		20.0			
Nitrobenzene-d5 (Surr)	0.2883 0.3119	0.3043	0.3111	0.3077	0.2966	Ave		0.3033				3.0		20.0			
2-Fluorobiphenyl	1.2177 1.0118	1.1749	1.1182	1.0961	1.0382	Ave		1.1095				7.1		20.0			
2,4,6-Tribromophenol (Surr)	0.1560 0.1719	0.1691	0.1742	0.1782	0.1678	Ave		0.1695				4.5		20.0			
Terphenyl-d14 (Surr)	0.6400 0.6099	0.6363	0.6239	0.6269	0.6094	Ave		0.6244				2.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-87318-5 Analy Batch No.: 267280
SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/22/2013 13:57 Calibration End Date: 02/22/2013 16:46 Calibration ID: 16464

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-267280/7	tb2213q.d
Level 2	IC 680-267280/6	tb2212q.d
Level 3	IC 680-267280/5	tb2211q.d
Level 4	ICIS 680-267280/2	tb2208q.d
Level 5	IC 680-267280/4	tb2210q.d
Level 6	IC 680-267280/3	tb2209q.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	100938 1559551	193450	539186	791308	851637	10.0 200	20.0	50.0	80.0	100
N-Nitrosodimethylamine	DCB	Ave	97240 1546431	191775	542201	819718	850687	10.0 200	20.0	50.0	80.0	100
Pyridine	DCB	Ave	227904 3676726	458172	1258744	1927006	1990562	10.0 200	20.0	50.0	80.0	100
Methyl Phenols, Total	DCB	Ave	378335 5340702	746154	2092554	3145790	3212018	10.0 200	20.0	50.0	80.0	100
Benzaldehyde	DCB	Ave	141170 +++++	257351	591927	695310	638228	10.0 +++++	20.0	50.0	80.0	100
Phenol	DCB	Ave	269070 4035271	538849	1517618	2290989	2334148	10.0 200	20.0	50.0	80.0	100
Aniline	DCB	Ave	296149 3583659	561400	1481972	2152821	2145094	10.0 200	20.0	50.0	80.0	100
Bis(2-chloroethyl)ether	DCB	Ave	149233 2239352	289371	808872	1227263	1251455	10.0 200	20.0	50.0	80.0	100
2-Chlorophenol	DCB	Ave	210719 3034098	408571	1145319	1712993	1764322	10.0 200	20.0	50.0	80.0	100
1,3-Dichlorobenzene	DCB	Ave	234029 3352937	456000	1254620	1877430	1925327	10.0 200	20.0	50.0	80.0	100
1,4-Dichlorobenzene	DCB	Ave	229409 3303756	434414	1215199	1820358	1906092	10.0 200	20.0	50.0	80.0	100
Benzyl alcohol	DCB	Ave	120323 2031961	240857	732233	1134059	1158403	10.0 200	20.0	50.0	80.0	100
1,2-Dichlorobenzene	DCB	Ave	219573 2920949	422966	1147370	1694942	1741243	10.0 200	20.0	50.0	80.0	100
2-Methylphenol	DCB	Ave	155169 2236519	310100	864907	1292423	1327898	10.0 200	20.0	50.0	80.0	100
bis (2-chloroisopropyl) ether	DCB	Ave	321468 4518402	623764	1729823	2601413	2652692	10.0 200	20.0	50.0	80.0	100
N-Nitrosodi-n-propylamine	DCB	Ave	121135 1768704	239331	686694	1035790	1040616	10.0 200	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267280

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2013 13:57 Calibration End Date: 02/22/2013 16:46 Calibration ID: 16464

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetophenone	NPT	Ave	262535 3365436	522476	1398418	2058392	2103515	10.0 200	20.0	50.0	80.0	100
3 & 4 Methylphenol	DCB	Ave	223166 3104183	436054	1227647	1853367	1884120	10.0 200	20.0	50.0	80.0	100
Hexachloroethane	DCB	Ave	80252 1236512	160673	450573	682393	703658	10.0 200	20.0	50.0	80.0	100
Nitrobenzene	NPT	Ave	175052 2876757	354736	1038449	1590233	1622086	10.0 200	20.0	50.0	80.0	100
Isophorone	NPT	Ave	356651 5681585	721847	2089737	3220901	3300693	10.0 200	20.0	50.0	80.0	100
2-Nitrophenol	NPT	Ave	90993 1694870	187548	586671	902800	940761	10.0 200	20.0	50.0	80.0	100
2,4-Dimethylphenol	NPT	Ave	154408 2682371	311535	914971	1389362	1430258	10.0 200	20.0	50.0	80.0	100
Bis(2-chloroethoxy)methane	NPT	Ave	231995 3496476	449165	1294314	1994089	2029296	10.0 200	20.0	50.0	80.0	100
Benzoic acid	NPT	Ave	101054 2460025	229443	751222	1243032	1271841	10.0 200	20.0	50.0	80.0	100
2,4-Dichlorophenol	NPT	Ave	155951 2429517	309166	899610	1376266	1427209	10.0 200	20.0	50.0	80.0	100
1,2,4-Trichlorobenzene	NPT	Ave	181729 2542404	349488	980302	1466329	1500590	10.0 200	20.0	50.0	80.0	100
Naphthalene	NPT	Ave	575264 8187601	1126565	3181016	4829499	4989442	10.0 200	20.0	50.0	80.0	100
4-Chloroaniline	NPT	Ave	220084 3374148	446186	1301864	1963178	1966093	10.0 200	20.0	50.0	80.0	100
Hexachlorobutadiene	NPT	Ave	94293 1303219	183888	503735	747739	770809	10.0 200	20.0	50.0	80.0	100
Caprolactam	NPT	Ave	55183 +++++	121051	351652	561199	579444	10.0 +++++	20.0	50.0	80.0	100
4-Chloro-3-methylphenol	NPT	Ave	144782 2501234	297658	883904	1379063	1431593	10.0 200	20.0	50.0	80.0	100
2-Methylnaphthalene	NPT	Ave	370925 5434485	734929	2069177	3184154	3283277	10.0 200	20.0	50.0	80.0	100
1-Methylnaphthalene	NPT	Ave	349830 5151713	693508	1961217	2996998	3112425	10.0 200	20.0	50.0	80.0	100
Hexachlorocyclopentadiene	ANT	Ave	72442 1487417	159515	518586	835927	857063	10.0 200	20.0	50.0	80.0	100
2,4,6-Trichlorophenol	ANT	Ave	98697 1662046	205822	607513	950464	987288	10.0 200	20.0	50.0	80.0	100
2,4,5-Trichlorophenol	ANT	Ave	107119 1746204	219505	644514	987934	1030754	10.0 200	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267280

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2013 13:57 Calibration End Date: 02/22/2013 16:46 Calibration ID: 16464

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1'-Biphenyl	ANT	Ave	482370 6675544	926738	2599275	3925009	4101459	10.0 200	20.0	50.0	80.0	100
2-Chloronaphthalene	ANT	Ave	352451 5134886	678591	1922918	2958224	3077816	10.0 200	20.0	50.0	80.0	100
2-Nitroaniline	ANT	Ave	+++++ 1547290	157508	517694	822838	870655	+++++ 200	20.0	50.0	80.0	100
Dimethyl phthalate	ANT	Ave	373755 5881290	740495	2162433	3372844	3482444	10.0 200	20.0	50.0	80.0	100
2,6-Dinitrotoluene	ANT	Ave	57800 1369481	137032	456815	739699	765375	10.0 200	20.0	50.0	80.0	100
Acenaphthylene	ANT	Ave	515865 7995620	1049839	3025128	4651199	4866284	10.0 200	20.0	50.0	80.0	100
3-Nitroaniline	ANT	Ave	77956 1672319	174570	568589	911686	942915	10.0 200	20.0	50.0	80.0	100
Acenaphthene	ANT	Ave	329769 5241018	662611	1911248	2984417	3133881	10.0 200	20.0	50.0	80.0	100
2,4-Dinitrophenol	ANT	Ave	+++++ 904857	60481	260440	444001	462484	+++++ 200	20.0	50.0	80.0	100
4-Nitrophenol	ANT	Ave	+++++ 1128325	113953	368038	605552	634012	+++++ 200	20.0	50.0	80.0	100
2,4-Dinitrotoluene	ANT	Ave	85118 1870939	192104	627627	1014606	1045904	10.0 200	20.0	50.0	80.0	100
Dibenzofuran	ANT	Ave	484510 6961203	952875	2672548	4104355	4242634	10.0 200	20.0	50.0	80.0	100
Diethyl phthalate	ANT	Ave	345253 5428421	687905	1975294	3116294	3246034	10.0 200	20.0	50.0	80.0	100
4-Chlorophenyl phenyl ether	ANT	Ave	184526 2700207	363961	1024281	1577713	1639387	10.0 200	20.0	50.0	80.0	100
Fluorene	ANT	Ave	384592 5578314	756368	2154204	3310878	3424349	10.0 200	20.0	50.0	80.0	100
4-Nitroaniline	ANT	Ave	78551 1688751	170361	558957	926446	952846	10.0 200	20.0	50.0	80.0	100
4,6-Dinitro-2-methylphenol	PHN	Ave	41410 1198687	105879	378788	628114	653585	10.0 200	20.0	50.0	80.0	100
N-Nitrosodiphenylamine	PHN	Ave	266368 4170563	529471	1521814	2413556	2512288	10.0 200	20.0	50.0	80.0	100
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	359199 5766355	723061	2090396	3285519	3415315	10.0 200	20.0	50.0	80.0	100
4-Bromophenyl phenyl ether	PHN	Ave	99838 1552052	198616	571615	902486	940185	10.0 200	20.0	50.0	80.0	100
Hexachlorobenzene	PHN	Ave	120020 1676573	229790	647153	989844	1036902	10.0 200	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-87318-5 Analy Batch No.: 267280
SDG No.: 68087318-5
Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/22/2013 13:57 Calibration End Date: 02/22/2013 16:46 Calibration ID: 16464

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Atrazine	PHN	Ave	85538 +++++	163018	357204	500913	473948	10.0 +++++	20.0	50.0	80.0	100
Pentachlorophenol	PHN	Ave	1157662 +++++	117930	386194	642112	663161	200 +++++	20.0	50.0	80.0	100
Dinoseb	PHN	QuaF	1552712 35257	102776	457200	791529	828754	200 10.0	20.0	50.0	80.0	100
Phenanthrene	PHN	Ave	8019022 549461	1093422	3077817	4795186	4963279	200 10.0	20.0	50.0	80.0	100
Anthracene	PHN	Ave	8045427 544633	1109546	3138552	4895745	5061807	200 10.0	20.0	50.0	80.0	100
Carbazole	PHN	Ave	7689328 509053	1025637	2939388	4558693	4691208	200 10.0	20.0	50.0	80.0	100
Di-n-butyl phthalate	PHN	Ave	8933496 545895	1139350	3430163	5424813	5560452	200 10.0	20.0	50.0	80.0	100
Fluoranthene	PHN	Ave	8603873 565983	1161549	3331789	5228027	5342434	200 10.0	20.0	50.0	80.0	100
Benzidine	CRY	Ave	171489 +++++	285465	838061	1177824	1130359	200 10.0	20.0	50.0	80.0	100
Pyrene	CRY	Ave	8720975 584440	1182733	3368222	5266732	5406522	200 10.0	20.0	50.0	80.0	100
Butyl benzyl phthalate	CRY	Ave	4018595 211162	452926	1429427	2313849	2363009	200 10.0	20.0	50.0	80.0	100
Bis(2-ethylhexyl) phthalate	CRY	Ave	4797316 297934	639460	1909340	3007298	3065502	200 10.0	20.0	50.0	80.0	100
3,3'-Dichlorobenzidine	CRY	Ave	2448978 168347	346811	1067554	1551357	1524914	200 10.0	20.0	50.0	80.0	100
Benzo[a]anthracene	CRY	Ave	7788996 541508	1057453	3032200	4697888	4812024	200 10.0	20.0	50.0	80.0	100
Chrysene	CRY	Ave	7661618 536153	1053317	3007984	4693409	4765464	200 10.0	20.0	50.0	80.0	100
Di-n-octyl phthalate	CRY	Ave	9753024 452047	1014952	3404692	5623792	5746499	200 10.0	20.0	50.0	80.0	100
Benzo[b]fluoranthene	PRY	Ave	8342411 478673	972373	3006557	4748221	4780864	200 10.0	20.0	50.0	80.0	100
Benzo[k]fluoranthene	PRY	Ave	8586709 533236	1111017	3407499	5080950	5161203	200 10.0	20.0	50.0	80.0	100
Benzo[a]pyrene	PRY	Ave	7699918 422451	873202	2836113	4375780	4439002	200 10.0	20.0	50.0	80.0	100
Indeno[1,2,3-cd]pyrene	CRY	Ave	9925270 532473	1108194	3706346	5608930	5629471	200 10.0	20.0	50.0	80.0	100
Dibenz(a,h)anthracene	PRY	Ave	8302793 468978	970247	3197130	4814584	4803437	200 10.0	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-87318-5 Analy Batch No.: 267280

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2013 13:57 Calibration End Date: 02/22/2013 16:46 Calibration ID: 16464

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzo[g,h,i]perylene	PRY	Ave	460178 9493569	980598	3336279	5148460	5166115	10.0 200	20.0	50.0	80.0	100
2-Fluorophenol (Surr)	DCB	Ave	194977 3104459	382092	1115193	1670803	1727601	10.0 200	20.0	50.0	80.0	100
Phenol-d5 (Surr)	DCB	Ave	242006 3769177	476644	1374178	2079073	2147981	10.0 200	20.0	50.0	80.0	100
Nitrobenzene-d5 (Surr)	NPT	Ave	161576 2834795	337456	1006035	1526252	1574825	10.0 200	20.0	50.0	80.0	100
2-Fluorobiphenyl	ANT	Ave	375589 5302354	729571	2052194	3136424	3229399	10.0 200	20.0	50.0	80.0	100
2,4,6-Tribromophenol (Surr)	ANT	Ave	48108 900646	104996	319662	509808	521799	10.0 200	20.0	50.0	80.0	100
Terphenyl-d14 (Surr)	CRY	Ave	300637 4528261	596273	1719076	2698618	2756906	10.0 200	20.0	50.0	80.0	100

Curve Type Legend:

Ave = Average ISTD

QuaF = Quadratic ISTD forced zero

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022213D.b/tb2208q.d
Lab Smp Id: ICIS;2980644-BNA080
Inj Date : 22-FEB-2013 13:57
Operator : LEG Inst ID: MST5973.i
Smp Info : ICIS;2980644-BNA080-168
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022213D.b/t-8270D-m.m
Meth Date : 01-Mar-2013 16:48 chamberk Quant Type: ISTD
Cal Date : 13-FEB-2013 21:05 Cal File: tb1315q.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.135	6.135 (1.000)		602083	40.0000	
	2 1,4-Dioxane	88	2.849	2.849 (0.464)		791308	80.0000	77
	3 Pyridine	79	3.287	3.287 (0.536)		1927006	80.0000	80
	4 N-Nitrosodimethylamine	42	3.191	3.191 (0.520)		819718	80.0000	80
\$	5 2-Fluorophenol	112	4.778	4.778 (0.779)		1670803	80.0000	80
\$	6 Phenol-d5	99	5.782	5.782 (0.943)		2079073	80.0000	81
	7 Aniline	93	5.814	5.814 (0.948)		2152821	80.0000	78
	8 Phenol	94	5.793	5.793 (0.944)		2290989	80.0000	81
	9 Bis(2-chloroethyl)ether	63	5.862	5.862 (0.956)		1227263	80.0000	80
10	2-Chlorophenol	128	5.937	5.937 (0.968)		1712993	80.0000	80
11	1,3-Dichlorobenzene	146	6.081	6.081 (0.991)		1877430	80.0000	79(H)
12	1,4-Dichlorobenzene	146	6.151	6.151 (1.003)		1820358	80.0000	79
13	Benzyl Alcohol	108	6.273	6.273 (1.023)		1134059	80.0000	84
14	1,2-Dichlorobenzene	146	6.306	6.306 (1.028)		1694942	80.0000	79
15	2-Methylphenol	107	6.386	6.386 (1.041)		1292423	80.0000	80
16	bis (2-Chloroisopropyl) ether	45	6.391	6.391 (1.042)		2601413	80.0000	80
17	N-Nitroso-di-n-propylamine	70	6.519	6.519 (1.063)		1035790	80.0000	82
18	3&4-Methylphenol	107	6.530	6.530 (1.064)		1853367	80.0000	81
19	Hexachloroethane	117	6.626	6.626 (1.080)		682393	80.0000	80
*	20 Naphthalene-d8	136	7.326	7.326 (1.000)		2480437	40.0000	
\$	21 Nitrobenzene-d5	82	6.669	6.669 (0.910)		1526252	80.0000	81
	22 Nitrobenzene	77	6.690	6.690 (0.913)		1590233	80.0000	81
	23 Isophorone	82	6.904	6.904 (0.942)		3220901	80.0000	81
	24 2-Nitrophenol	139	6.984	6.984 (0.953)		902800	80.0000	83(H)
	25 2,4-Dimethylphenol	122	7.016	7.016 (0.958)		1389362	80.0000	80
	26 Bis(2-chloroethoxy)methane	93	7.085	7.085 (0.967)		1994089	80.0000	81

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid		105	7.123	7.123 (0.972)		1243032	80.0000	87
28 2,4-Dichlorophenol		162	7.203	7.203 (0.983)		1376266	80.0000	81
29 1,2,4-Trichlorobenzene		180	7.272	7.272 (0.993)		1466329	80.0000	79
30 Naphthalene		128	7.347	7.347 (1.003)		4829499	80.0000	80
31 4-Chloroaniline		127	7.390	7.390 (1.009)		1963178	80.0000	81
32 Hexachlorobutadiene		225	7.449	7.449 (1.017)		747739	80.0000	78
33 4-Chloro-3-methylphenol		107	7.823	7.823 (1.068)		1379063	80.0000	82(H)
34 2-Methylnaphthalene		142	7.967	7.967 (1.087)		3184154	80.0000	81
35 1-Methylnaphthalene		142	8.063	8.063 (1.101)		2996998	80.0000	80
* 36 Acenaphthene-d10		164	9.110	9.110 (1.000)		1430773	40.0000	
37 Hexachlorocyclopentadiene		237	8.122	8.122 (0.891)		835927	80.0000	86
38 2,4,6-Trichlorophenol		196	8.250	8.250 (0.906)		950464	80.0000	82(H)
39 2,4,5-Trichlorophenol		196	8.293	8.293 (0.910)		987934	80.0000	80
\$ 40 2-Fluorobiphenyl		172	8.320	8.320 (0.913)		3136424	80.0000	79(H)
41 2-Chloronaphthalene		162	8.469	8.469 (0.930)		2958224	80.0000	79
42 2-Nitroaniline		65	8.581	8.581 (0.942)		822838	80.0000	82
43 Dimethylphthalate		163	8.752	8.752 (0.961)		3372844	80.0000	81
44 2,6-Dinitrotoluene		165	8.838	8.838 (0.970)		739699	80.0000	87
45 Acenaphthylene		152	8.950	8.950 (0.982)		4651199	80.0000	80
46 3-Nitroaniline		138	9.051	9.051 (0.994)		911686	80.0000	86
47 Acenaphthene		154	9.153	9.153 (1.005)		2984417	80.0000	80
48 2,4-Dinitrophenol		184	9.169	9.169 (1.006)		444001	80.0000	87
49 4-Nitrophenol		65	9.244	9.244 (1.015)		605552	80.0000	83
50 Dibenzofuran		168	9.356	9.356 (1.027)		4104355	80.0000	79
51 2,4-Dinitrotoluene		165	9.324	9.324 (1.023)		1014606	80.0000	86
53 Diethylphthalate		149	9.591	9.591 (1.053)		3116294	80.0000	81
54 Fluorene		166	9.783	9.783 (1.074)		3310878	80.0000	80
55 4-Chlorophenyl-phenylether		204	9.757	9.757 (1.071)		1577713	80.0000	79(H)
56 4-Nitroaniline		138	9.810	9.810 (1.077)		926446	80.0000	87(H)
\$ 57 2,4,6-Tribromophenol		329	10.098	10.098 (1.108)		509808	80.0000	84
* 58 Phenanthrene-d10		188	11.001	11.001 (1.000)		2295955	40.0000	
59 4,6-Dinitro-2-methylphenol		198	9.837	9.837 (0.894)		628114	80.0000	89(H)
60 N-Nitrosodiphenylamine		169	9.912	9.912 (0.901)		2413556	80.0000	80
61 1,2-Diphenylhydrazine		77	9.965	9.965 (0.906)		3285519	80.0000	80
62 4-Bromophenyl-phenylether		248	10.392	10.392 (0.945)		902486	80.0000	80(H)
63 Hexachlorobenzene		284	10.505	10.505 (0.955)		989844	80.0000	78
64 Pentachlorophenol		266	10.756	10.756 (0.978)		642112	80.0000	84
65 Phenanthrene		178	11.033	11.033 (1.003)		4795186	80.0000	79(H)
66 Anthracene		178	11.098	11.098 (1.009)		4895745	80.0000	80
67 Carbazole		167	11.311	11.311 (1.028)		4558693	80.0000	80
68 Di-n-Butylphthalate		149	11.728	11.728 (1.066)		5424813	80.0000	83
69 Fluoranthene		202	12.593	12.593 (1.145)		5228027	80.0000	81
70 Benzidine		184	12.764	12.764 (0.885)		1177824	80.0000	73
* 71 Chrysene-d12		240	14.426	14.426 (1.000)		2152503	40.0000	
72 Pyrene		202	12.893	12.893 (0.894)		5266732	80.0000	80
\$ 73 Terphenyl-d14		244	13.069	13.069 (0.906)		2698618	80.0000	80
74 Butylbenzylphthalate		149	13.678	13.678 (0.948)		2313849	80.0000	85

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
75 3,3'-Dichlorobenzidine	252	14.378	14.249 (0.997)	1551357	80.0000	81(H)	
76 Benzo(a)Anthracene	228	14.410	14.410 (0.999)	4697888	80.0000	80	
77 Bis(2-ethylhexyl)phthalate	149	14.372	14.372 (0.996)	3007298	80.0000	83	
78 Chrysene	228	14.458	14.458 (1.002)	4693409	80.0000	80	
* 79 Perylene-d12	264	16.472	16.472 (1.000)	2343012	40.0000		
80 Di-n-octylphthalate	149	15.174	15.174 (1.052)	5623792	80.0000	87	
81 Benzo(b)fluoranthene	252	15.852	15.852 (0.962)	4748221	80.0000	80	
82 Benzo(k)fluoranthene	252	15.895	15.895 (0.965)	5080950	80.0000	78	
83 Benzo(a)pyrene	252	16.376	16.376 (0.994)	4375780	80.0000	81	
84 Indeno(1,2,3-cd)pyrene	276	18.550	18.550 (1.286)	5608930	80.0000	83	
85 Dibenzo(a,h)anthracene	278	18.571	18.571 (1.127)	4814584	80.0000	81	
86 Benzo(g,h,i)perylene	276	19.196	19.196 (1.165)	5148460	80.0000	82	
87 Dinoseb	211	10.980	10.980 (0.998)	791529	80.0000	83	
89 Acetophenone	105	6.525	6.525 (0.891)	2058392	80.0000	78	
90 Benzaldehyde	77	5.697	5.697 (0.929)	695310	80.0000	62	
91 1,1'-Biphenyl	154	8.432	8.432 (0.926)	3925009	80.0000	78	
92 Caprolactam	113	7.711	7.711 (1.052)	561199	80.0000	84	
93 Atrazine	200	10.590	10.590 (0.963)	500913	80.0000	66	
M 88 MethylPhenols,Total	100			3145790	80.0000	160	

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: tb2208q.d

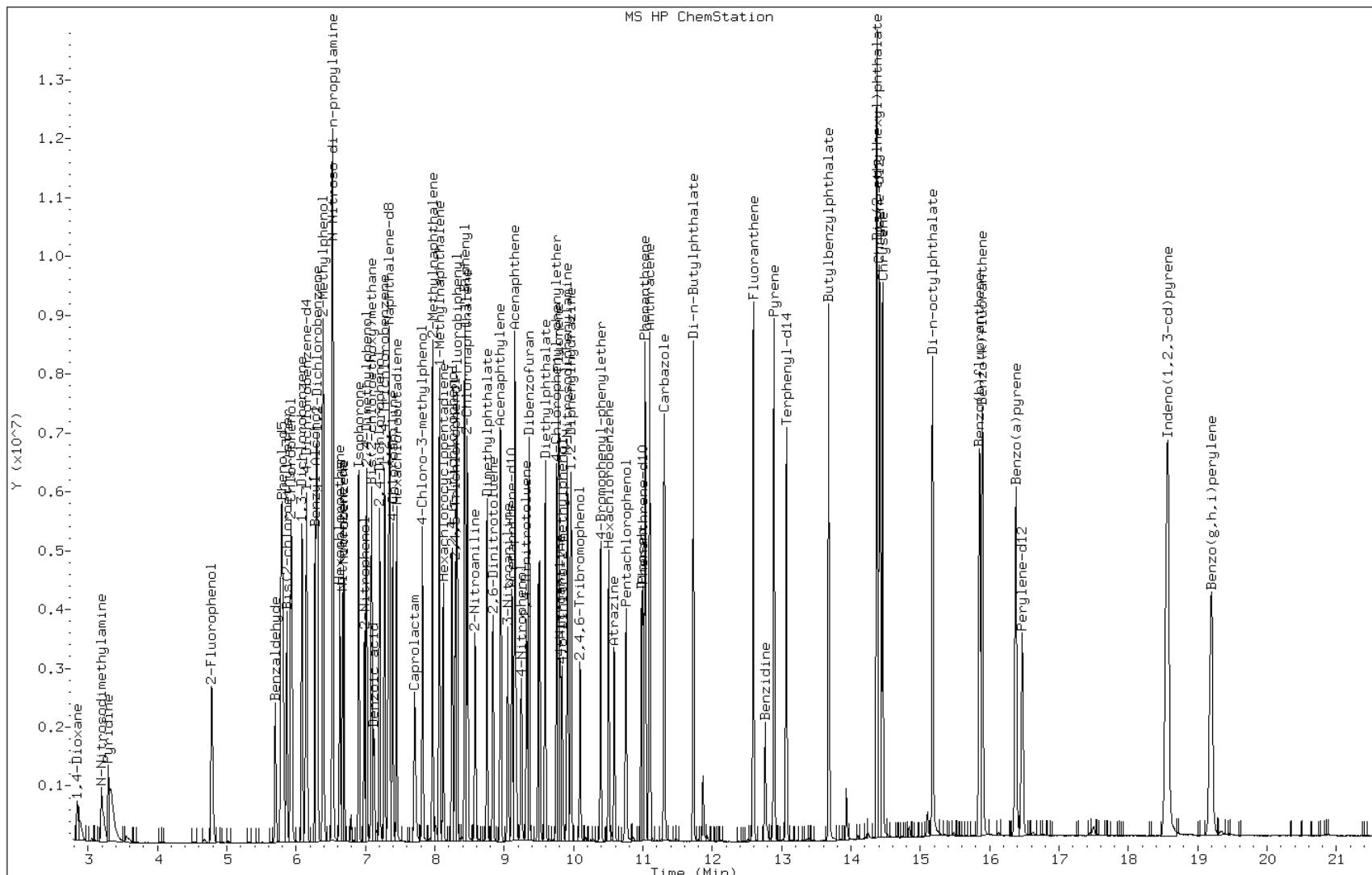
Date: 22-FEB-2013 13:57

Client ID:

Instrument: MST5973.i

Sample Info: ICIS;2980644-BNA080-168

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022213D.b/tb2209q.d
Lab Smp Id: IC;2980642-BNA200-7
Inj Date : 22-FEB-2013 14:25
Operator : bb Inst ID: MST5973.i
Smp Info : IC;2980642-BNA200-74
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022213D.b/t-8270D-m.m
Meth Date : 01-Mar-2013 16:46 chamberk Quant Type: ISTD
Cal Date : 13-FEB-2013 21:34 Cal File: tb1316q.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.135	6.135 (1.000)		438212	40.0000	
	2 1,4-Dioxane	88	2.849	2.849 (0.464)		1559551	200.000	220(A)
	3 Pyridine	79	3.282	3.282 (0.535)		3676726	200.000	220(AH)
	4 N-Nitrosodimethylamine	42	3.191	3.191 (0.520)		1546431	200.000	220(A)
\$	5 2-Fluorophenol	112	4.783	4.783 (0.780)		3104459	200.000	210(A)
\$	6 Phenol-d5	99	5.782	5.782 (0.943)		3769177	200.000	210(A)
	7 Aniline	93	5.814	5.814 (0.948)		3583659	200.000	180
	8 Phenol	94	5.798	5.798 (0.945)		4035271	200.000	200(A)
	9 Bis(2-chloroethyl)ether	63	5.867	5.867 (0.956)		2239352	200.000	200
10	2-Chlorophenol	128	5.937	5.937 (0.968)		3034098	200.000	200(A)
11	1,3-Dichlorobenzene	146	6.081	6.081 (0.991)		3352937	200.000	200(A)
12	1,4-Dichlorobenzene	146	6.151	6.151 (1.003)		3303756	200.000	210(A)
13	Benzyl Alcohol	108	6.273	6.273 (1.023)		2031961	200.000	220(A)
14	1,2-Dichlorobenzene	146	6.306	6.306 (1.028)		2920949	200.000	200
15	2-Methylphenol	107	6.391	6.391 (1.042)		2236519	200.000	200(A)
16	bis (2-Chloroisopropyl) ether	45	6.391	6.391 (1.042)		4518402	200.000	190
17	N-Nitroso-di-n-propylamine	70	6.519	6.519 (1.063)		1768704	200.000	220(A)
18	3&4-Methylphenol	107	6.535	6.535 (1.065)		3104183	200.000	200(A)
19	Hexachloroethane	117	6.626	6.626 (1.080)		1236512	200.000	210(A)
*	20 Naphthalene-d8	136	7.326	7.326 (1.000)		1817915	40.0000	
\$	21 Nitrobenzene-d5	82	6.669	6.669 (0.910)		2834795	200.000	210(A)
	22 Nitrobenzene	77	6.690	6.690 (0.913)		2876757	200.000	210(A)
	23 Isophorone	82	6.904	6.904 (0.942)		5681585	200.000	200
	24 2-Nitrophenol	139	6.984	6.984 (0.953)		1694870	200.000	220(A)
	25 2,4-Dimethylphenol	122	7.016	7.016 (0.958)		2682371	200.000	210(A)
	26 Bis(2-chloroethoxy)methane	93	7.085	7.085 (0.967)		3496476	200.000	190

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
27 Benzoic acid	105	7.144	7.144 (0.975)	2460025	200.000	320(A)	
28 2,4-Dichlorophenol	162	7.203	7.203 (0.983)	2429517	200.000	200(A)	
29 1,2,4-Trichlorobenzene	180	7.272	7.272 (0.993)	2542404	200.000	190	
30 Naphthalene	128	7.347	7.347 (1.003)	8187601	200.000	190	
31 4-Chloroaniline	127	7.395	7.395 (1.009)	3374148	200.000	190	
32 Hexachlorobutadiene	225	7.449	7.449 (1.017)	1303219	200.000	190	
33 4-Chloro-3-methylphenol	107	7.823	7.823 (1.068)	2501234	200.000	210(A)	
34 2-Methylnaphthalene	142	7.967	7.967 (1.087)	5434485	200.000	190	
35 1-Methylnaphthalene	142	8.063	8.063 (1.101)	5151713	200.000	190	
* 36 Acenaphthene-d10	164	9.110	9.110 (1.000)	1048138	40.0000		
37 Hexachlorocyclopentadiene	237	8.122	8.122 (0.891)	1487417	200.000	200	
38 2,4,6-Trichlorophenol	196	8.250	8.250 (0.906)	1662046	200.000	180	
39 2,4,5-Trichlorophenol	196	8.298	8.298 (0.911)	1746204	200.000	180	
\$ 40 2-Fluorobiphenyl	172	8.320	8.320 (0.913)	5302354	200.000	170	
41 2-Chloronaphthalene	162	8.469	8.469 (0.930)	5134886	200.000	180	
42 2-Nitroaniline	65	8.587	8.587 (0.943)	1547290	200.000	220(A)	
43 Dimethylphthalate	163	8.752	8.752 (0.961)	5881290	200.000	190	
44 2,6-Dinitrotoluene	165	8.843	8.843 (0.971)	1369481	200.000	220(A)	
45 Acenaphthylene	152	8.950	8.950 (0.982)	7995620	200.000	180	
46 3-Nitroaniline	138	9.057	9.057 (0.994)	1672319	200.000	210(A)	
47 Acenaphthene	154	9.153	9.153 (1.005)	5241018	200.000	190	
48 2,4-Dinitrophenol	184	9.174	9.174 (1.007)	904857	200.000	220(A)	
49 4-Nitrophenol	65	9.249	9.249 (1.015)	1128325	200.000	210(A)	
50 Dibenzofuran	168	9.361	9.361 (1.028)	6961203	200.000	170	
51 2,4-Dinitrotoluene	165	9.329	9.329 (1.024)	1870939	200.000	210(A)	
53 Diethylphthalate	149	9.596	9.596 (1.053)	5428421	200.000	190	
54 Fluorene	166	9.783	9.783 (1.074)	5578314	200.000	170	
55 4-Chlorophenyl-phenylether	204	9.757	9.757 (1.071)	2700207	200.000	180	
56 4-Nitroaniline	138	9.815	9.815 (1.077)	1688751	200.000	220(A)	
\$ 57 2,4,6-Tribromophenol	329	10.098	10.098 (1.108)	900646	200.000	200	
* 58 Phenanthrene-d10	188	11.001	11.001 (1.000)	1611597	40.0000		
59 4,6-Dinitro-2-methylphenol	198	9.842	9.842 (0.895)	1198687	200.000	250(A)	
60 N-Nitrosodiphenylamine	169	9.917	9.917 (0.901)	4170563	200.000	200(A)	
61 1,2-Diphenylhydrazine	77	9.965	9.965 (0.906)	5766355	200.000	210(A)	
62 4-Bromophenyl-phenylether	248	10.392	10.392 (0.945)	1552052	200.000	210(A)	
63 Hexachlorobenzene	284	10.510	10.510 (0.955)	1676573	200.000	200	
64 Pentachlorophenol	266	10.761	10.761 (0.978)	1157662	200.000	210(A)	
65 Phenanthrene	178	11.033	11.033 (1.003)	8019022	200.000	240(A)	
66 Anthracene	178	11.103	11.103 (1.009)	8045427	200.000	200	
67 Carbazole	167	11.311	11.311 (1.028)	7689328	200.000	190	
68 Di-n-Butylphthalate	149	11.728	11.728 (1.066)	8933496	200.000	230(A)	
69 Fluoranthene	202	12.593	12.593 (1.145)	8603873	200.000	190	
70 Benzidine	184	12.764	12.764 (0.885)	1710077	200.000	200(A)	
* 71 Chrysene-d12	240	14.426	14.426 (1.000)	1484895	40.0000		
72 Pyrene	202	12.893	12.893 (0.894)	8720975	200.000	190	
\$ 73 Terphenyl-d14	244	13.069	13.069 (0.906)	4528261	200.000	190	
74 Butylbenzylphthalate	149	13.678	13.678 (0.948)	4018595	200.000	270(A)	

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.383	14.383 (0.997)		2448978	200.000	260(A)
76 Benzo(a)Anthracene		228	14.410	14.410 (0.999)		7788996	200.000	190
77 Bis(2-ethylhexyl)phthalate		149	14.372	14.372 (0.996)		4797316	200.000	240(A)
78 Chrysene		228	14.458	14.458 (1.002)		7661618	200.000	190
* 79 Perylene-d12		264	16.472	16.472 (1.000)		1727650	40.0000	
80 Di-n-octylphthalate		149	15.179	15.179 (1.052)		9753024	200.000	260(A)
81 Benzo(b)fluoranthene		252	15.863	15.863 (0.963)		8342411	200.000	190
82 Benzo(k)fluoranthene		252	15.900	15.900 (0.965)		8586709	200.000	180
83 Benzo(a)pyrene		252	16.381	16.381 (0.994)		7699918	200.000	190
84 Indeno(1,2,3-cd)pyrene		276	18.566	18.566 (1.287)		9925270	200.000	210(A)
85 Dibenzo(a,h)anthracene		278	18.587	18.587 (1.128)		8302793	200.000	200
86 Benzo(g,h,i)perylene		276	19.212	19.212 (1.166)		9493569	200.000	210(A)
87 Dinoseb		211	10.980	10.980 (0.998)		1552712	200.000	200
89 Acetophenone		105	6.525	6.525 (0.891)		3365436	200.000	180
90 Benzaldehyde		77	5.697	5.697 (0.929)		512533	200.000	65
91 1,1'-Biphenyl		154	8.432	8.432 (0.926)		6675544	200.000	180
92 Caprolactam		113	7.727	7.727 (1.055)		1047348	200.000	270(A)
93 Atrazine		200	10.590	10.590 (0.963)		679842	200.000	140
M 88 MethylPhenols,Total		100				5340702	200.000	400

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: tb2209q.d

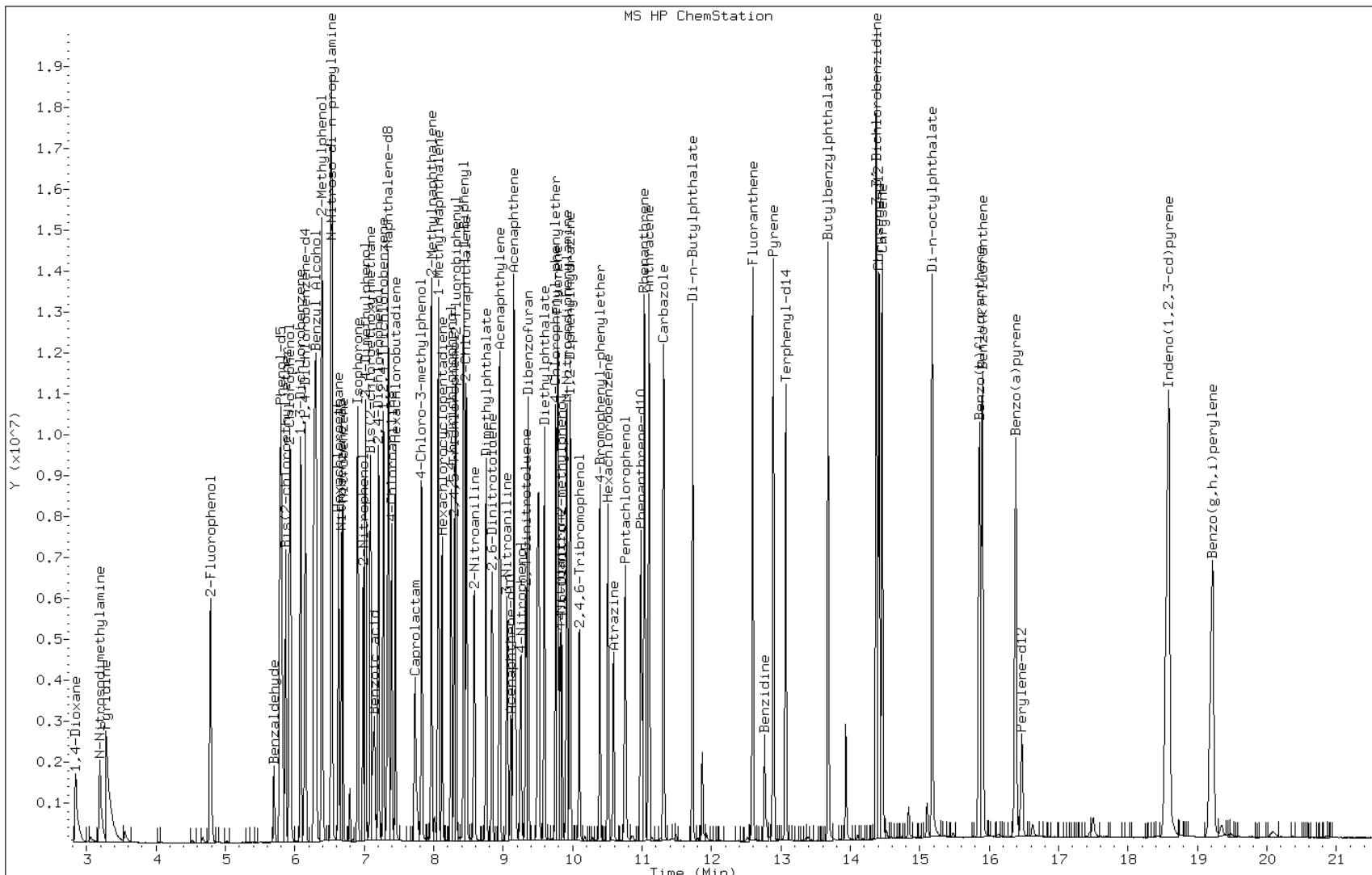
Date: 22-FEB-2013 14:25

Client ID:

Instrument: MST5973.i

Sample Info: IC;2980642-BNA200-74

Operator: bb



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022213D.b/tb2210q.d
Lab Smp Id: IC;2980643-BNA100-6
Inj Date : 22-FEB-2013 14:53
Operator : LEG Inst ID: MST5973.i
Smp Info : IC;2980643-BNA100-68
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022213D.b/t-8270D-m.m
Meth Date : 01-Mar-2013 16:46 chamberk Quant Type: ISTD
Cal Date : 13-FEB-2013 22:02 Cal File: tb1317q.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.135	6.135 (1.000)		511067	40.0000	
	2 1,4-Dioxane	88	2.849	2.849 (0.464)		851637	100.000	100
	3 Pyridine	79	3.293	3.293 (0.537)		1990562	100.000	100
	4 N-Nitrosodimethylamine	42	3.191	3.191 (0.520)		850687	100.000	100
\$	5 2-Fluorophenol	112	4.783	4.783 (0.780)		1727601	100.000	100
\$	6 Phenol-d5	99	5.782	5.782 (0.943)		2147981	100.000	100
	7 Aniline	93	5.814	5.814 (0.948)		2145094	100.000	93
	8 Phenol	94	5.793	5.793 (0.944)		2334148	100.000	99
	9 Bis(2-chloroethyl)ether	63	5.862	5.862 (0.956)		1251455	100.000	95
10	2-Chlorophenol	128	5.937	5.937 (0.968)		1764322	100.000	100
11	1,3-Dichlorobenzene	146	6.081	6.081 (0.991)		1925327	100.000	100
12	1,4-Dichlorobenzene	146	6.151	6.151 (1.003)		1906092	100.000	100
13	Benzyl Alcohol	108	6.274	6.274 (1.023)		1158403	100.000	110
14	1,2-Dichlorobenzene	146	6.306	6.306 (1.028)		1741243	100.000	99
15	2-Methylphenol	107	6.386	6.386 (1.041)		1327898	100.000	100
16	bis (2-Chloroisopropyl) ether	45	6.391	6.391 (1.042)		2652692	100.000	94
17	N-Nitroso-di-n-propylamine	70	6.519	6.519 (1.063)		1040616	100.000	110
18	3&4-Methylphenol	107	6.530	6.530 (1.064)		1884120	100.000	100
19	Hexachloroethane	117	6.626	6.626 (1.080)		703658	100.000	100
*	20 Naphthalene-d8	136	7.326	7.326 (1.000)		2123532	40.0000	
\$	21 Nitrobenzene-d5	82	6.669	6.669 (0.910)		1574825	100.000	100
	22 Nitrobenzene	77	6.685	6.685 (0.912)		1622086	100.000	100
	23 Isophorone	82	6.899	6.899 (0.942)		3300693	100.000	98
	24 2-Nitrophenol	139	6.979	6.979 (0.953)		940761	100.000	100
	25 2,4-Dimethylphenol	122	7.016	7.016 (0.958)		1430258	100.000	96
	26 Bis(2-chloroethoxy)methane	93	7.086	7.086 (0.967)		2029296	100.000	95

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid		105	7.123	7.123 (0.972)		1271841	100.000	130
28 2,4-Dichlorophenol		162	7.203	7.203 (0.983)		1427209	100.000	100
29 1,2,4-Trichlorobenzene		180	7.273	7.273 (0.993)		1500590	100.000	95
30 Naphthalene		128	7.342	7.342 (1.002)		4989442	100.000	96
31 4-Chloroaniline		127	7.390	7.390 (1.009)		1966093	100.000	94
32 Hexachlorobutadiene		225	7.449	7.449 (1.017)		770809	100.000	94
33 4-Chloro-3-methylphenol		107	7.818	7.818 (1.067)		1431593	100.000	100
34 2-Methylnaphthalene		142	7.962	7.962 (1.087)		3283277	100.000	97
35 1-Methylnaphthalene		142	8.063	8.063 (1.101)		3112425	100.000	98
* 36 Acenaphthene-d10		164	9.110	9.110 (1.000)		1244176	40.0000	
37 Hexachlorocyclopentadiene		237	8.122	8.122 (0.892)		857063	100.000	97
38 2,4,6-Trichlorophenol		196	8.245	8.245 (0.905)		987288	100.000	93
39 2,4,5-Trichlorophenol		196	8.293	8.293 (0.910)		1030754	100.000	92
\$ 40 2-Fluorobiphenyl		172	8.320	8.320 (0.913)		3229399	100.000	91
41 2-Chloronaphthalene		162	8.469	8.469 (0.930)		3077816	100.000	93
42 2-Nitroaniline		65	8.581	8.581 (0.942)		870655	100.000	100
43 Dimethylphthalate		163	8.752	8.752 (0.961)		3482444	100.000	96
44 2,6-Dinitrotoluene		165	8.838	8.838 (0.970)		765375	100.000	100
45 Acenaphthylene		152	8.945	8.945 (0.982)		4866284	100.000	92
46 3-Nitroaniline		138	9.052	9.052 (0.994)		942915	100.000	100
47 Acenaphthene		154	9.153	9.153 (1.005)		3133881	100.000	96
48 2,4-Dinitrophenol		184	9.169	9.169 (1.006)		462484	100.000	96
49 4-Nitrophenol		65	9.244	9.244 (1.015)		634012	100.000	98
50 Dibenzofuran		168	9.356	9.356 (1.027)		4242634	100.000	90
51 2,4-Dinitrotoluene		165	9.324	9.324 (1.023)		1045904	100.000	100
53 Diethylphthalate		149	9.591	9.591 (1.053)		3246034	100.000	95
54 Fluorene		166	9.778	9.778 (1.073)		3424349	100.000	91
55 4-Chlorophenyl-phenylether		204	9.757	9.757 (1.071)		1639387	100.000	90
56 4-Nitroaniline		138	9.810	9.810 (1.077)		952846	100.000	100
\$ 57 2,4,6-Tribromophenol		329	10.093	10.093 (1.108)		521799	100.000	96
* 58 Phenanthrene-d10		188	11.002	11.002 (1.000)		1962601	40.0000	
59 4,6-Dinitro-2-methylphenol		198	9.837	9.837 (0.894)		653585	100.000	110
60 N-Nitrosodiphenylamine		169	9.912	9.912 (0.901)		2512288	100.000	99
61 1,2-Diphenylhydrazine		77	9.960	9.960 (0.905)		3415315	100.000	100
62 4-Bromophenyl-phenylether		248	10.393	10.393 (0.945)		940185	100.000	100
63 Hexachlorobenzene		284	10.505	10.505 (0.955)		1036902	100.000	99
64 Pentachlorophenol		266	10.756	10.756 (0.978)		663161	100.000	99
65 Phenanthrene		178	11.034	11.034 (1.003)		4963279	100.000	120
66 Anthracene		178	11.098	11.098 (1.009)		5061807	100.000	100
67 Carbazole		167	11.306	11.306 (1.028)		4691208	100.000	96
68 Di-n-Butylphthalate		149	11.728	11.728 (1.066)		5560452	100.000	110
69 Fluoranthene		202	12.594	12.594 (1.145)		5342434	100.000	96
70 Benzidine		184	12.764	12.764 (0.885)		1130359	100.000	110
* 71 Chrysene-d12		240	14.426	14.426 (1.000)		1809634	40.0000	
72 Pyrene		202	12.887	12.887 (0.893)		5406522	100.000	96
\$ 73 Terphenyl-d14		244	13.069	13.069 (0.906)		2756906	100.000	97
74 Butylbenzylphthalate		149	13.678	13.678 (0.948)		2363009	100.000	120

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.378	14.378 (0.997)		1524914	100.000	130
76 Benzo(a)Anthracene		228	14.410	14.410 (0.999)		4812024	100.000	96
77 Bis(2-ethylhexyl)phthalate		149	14.372	14.372 (0.996)		3065502	100.000	120
78 Chrysene		228	14.458	14.458 (1.002)		4765464	100.000	95
* 79 Perylene-d12		264	16.472	16.472 (1.000)		1952152	40.0000	
80 Di-n-octylphthalate		149	15.174	15.174 (1.052)		5746499	100.000	120
81 Benzo(b)fluoranthene		252	15.858	15.858 (0.963)		4780864	100.000	98
82 Benzo(k)fluoranthene		252	15.895	15.895 (0.965)		5161203	100.000	97
83 Benzo(a)pyrene		252	16.381	16.381 (0.994)		4439002	100.000	98
84 Indeno(1,2,3-cd)pyrene		276	18.550	18.550 (1.286)		5629471	100.000	99
85 Dibenzo(a,h)anthracene		278	18.577	18.577 (1.128)		4803437	100.000	100
86 Benzo(g,h,i)perylene		276	19.197	19.197 (1.165)		5166115	100.000	100
87 Dinoseb		211	10.980	10.980 (0.998)		828754	100.000	100
89 Acetophenone		105	6.519	6.519 (0.890)		2103515	100.000	95
90 Benzaldehyde		77	5.697	5.697 (0.929)		638228	100.000	69
91 1,1'-Biphenyl		154	8.432	8.432 (0.926)		4101459	100.000	93
92 Caprolactam		113	7.711	7.711 (1.052)		579444	100.000	120
93 Atrazine		200	10.585	10.585 (0.962)		473948	100.000	81
M 88 MethylPhenols,Total		100				3212018	100.000	200

Data File: tb2210q.d

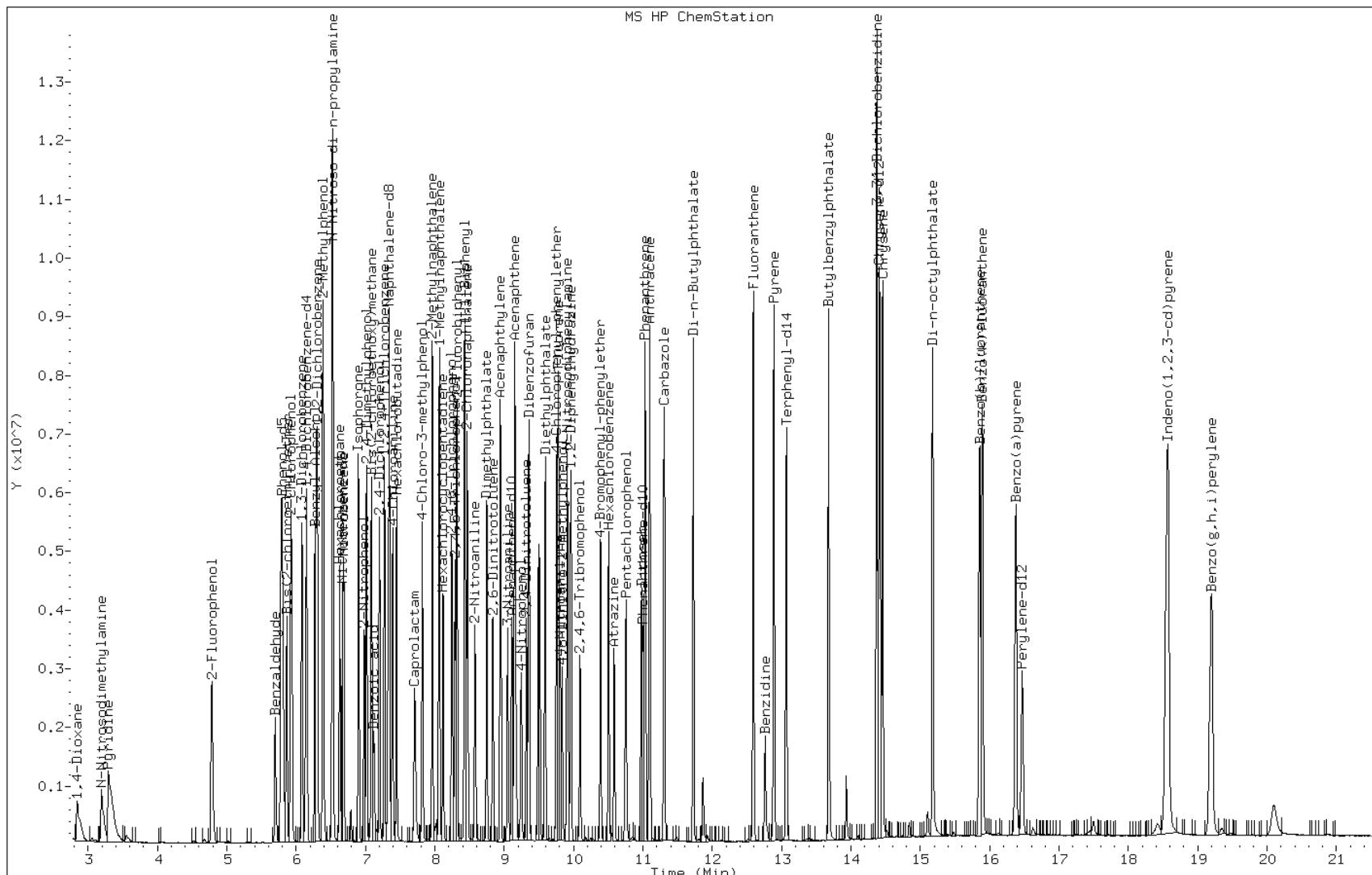
Date: 22-FEB-2013 14:53

Client ID:

Instrument: MST5973.i

Sample Info: IC;2980643-BNA100-68

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022213D.b/tb2211q.d
Lab Smp Id: IC;2980648-BNA050-6
Inj Date : 22-FEB-2013 15:21
Operator : LEG Inst ID: MST5973.i
Smp Info : IC;2980648-BNA050-67
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022213D.b/t-8270D-m.m
Meth Date : 01-Mar-2013 16:46 chamberk Quant Type: ISTD
Cal Date : 13-FEB-2013 22:30 Cal File: tb1318q.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.135	6.135 (1.000)		642242	40.0000	
	2 1,4-Dioxane	88	2.849	2.849 (0.464)		539186	50.0000	51
	3 Pyridine	79	3.293	3.293 (0.537)		1258744	50.0000	50
	4 N-Nitrosodimethylamine	42	3.191	3.191 (0.520)		542201	50.0000	51
\$	5 2-Fluorophenol	112	4.778	4.778 (0.779)		1115193	50.0000	51
\$	6 Phenol-d5	99	5.777	5.777 (0.942)		1374178	50.0000	51
	7 Aniline	93	5.809	5.809 (0.947)		1481972	50.0000	51
	8 Phenol	94	5.793	5.793 (0.944)		1517618	50.0000	51
	9 Bis(2-chloroethyl)ether	63	5.862	5.862 (0.956)		808872	50.0000	49
10	2-Chlorophenol	128	5.937	5.937 (0.968)		1145319	50.0000	51
11	1,3-Dichlorobenzene	146	6.081	6.081 (0.991)		1254620	50.0000	51
12	1,4-Dichlorobenzene	146	6.151	6.151 (1.003)		1215199	50.0000	50
13	Benzyl Alcohol	108	6.274	6.274 (1.023)		732233	50.0000	53
14	1,2-Dichlorobenzene	146	6.306	6.306 (1.028)		1147370	50.0000	51
15	2-Methylphenol	107	6.386	6.386 (1.041)		864907	50.0000	52
16	bis (2-Chloroisopropyl) ether	45	6.391	6.391 (1.042)		1729823	50.0000	49
17	N-Nitroso-di-n-propylamine	70	6.519	6.519 (1.063)		686694	50.0000	55
18	3&4-Methylphenol	107	6.530	6.530 (1.064)		1227647	50.0000	52
19	Hexachloroethane	117	6.626	6.626 (1.080)		450573	50.0000	51
*	20 Naphthalene-d8	136	7.326	7.326 (1.000)		2587017	40.0000	
\$	21 Nitrobenzene-d5	82	6.669	6.669 (0.910)		1006035	50.0000	52
	22 Nitrobenzene	77	6.685	6.685 (0.912)		1038449	50.0000	52
	23 Isophorone	82	6.899	6.899 (0.942)		2089737	50.0000	51
	24 2-Nitrophenol	139	6.984	6.984 (0.953)		586671	50.0000	52
	25 2,4-Dimethylphenol	122	7.016	7.016 (0.958)		914971	50.0000	50
	26 Bis(2-chloroethoxy)methane	93	7.086	7.086 (0.967)		1294314	50.0000	50

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
27 Benzoic acid	105	7.107	7.107	(0.970)	751222	50.0000	54
28 2,4-Dichlorophenol	162	7.203	7.203	(0.983)	899610	50.0000	51
29 1,2,4-Trichlorobenzene	180	7.273	7.273	(0.993)	980302	50.0000	51
30 Naphthalene	128	7.342	7.342	(1.002)	3181016	50.0000	50
31 4-Chloroaniline	127	7.390	7.390	(1.009)	1301864	50.0000	51
32 Hexachlorobutadiene	225	7.449	7.449	(1.017)	503735	50.0000	50
33 4-Chloro-3-methylphenol	107	7.818	7.818	(1.067)	883904	50.0000	51
34 2-Methylnaphthalene	142	7.967	7.967	(1.087)	2069177	50.0000	50
35 1-Methylnaphthalene	142	8.063	8.063	(1.101)	1961217	50.0000	51
* 36 Acenaphthene-d10	164	9.110	9.110	(1.000)	1468193	40.0000	
37 Hexachlorocyclopentadiene	237	8.122	8.122	(0.892)	518586	50.0000	50
38 2,4,6-Trichlorophenol	196	8.245	8.245	(0.905)	607513	50.0000	49
39 2,4,5-Trichlorophenol	196	8.293	8.293	(0.910)	644514	50.0000	49
\$ 40 2-Fluorobiphenyl	172	8.320	8.320	(0.913)	2052194	50.0000	49
41 2-Chloronaphthalene	162	8.469	8.469	(0.930)	1922918	50.0000	49
42 2-Nitroaniline	65	8.582	8.582	(0.942)	517694	50.0000	51
43 Dimethylphthalate	163	8.747	8.747	(0.960)	2162433	50.0000	51
44 2,6-Dinitrotoluene	165	8.838	8.838	(0.970)	456815	50.0000	53
45 Acenaphthylene	152	8.945	8.945	(0.982)	3025128	50.0000	49
46 3-Nitroaniline	138	9.052	9.052	(0.994)	568589	50.0000	52
47 Acenaphthene	154	9.153	9.153	(1.005)	1911248	50.0000	50
48 2,4-Dinitrophenol	184	9.169	9.169	(1.006)	260440	50.0000	48
49 4-Nitrophenol	65	9.244	9.244	(1.015)	368038	50.0000	49
50 Dibenzofuran	168	9.356	9.356	(1.027)	2672548	50.0000	49
51 2,4-Dinitrotoluene	165	9.324	9.324	(1.023)	627627	50.0000	52
53 Diethylphthalate	149	9.591	9.591	(1.053)	1975294	50.0000	50
54 Fluorene	166	9.778	9.778	(1.073)	2154204	50.0000	49
55 4-Chlorophenyl-phenylether	204	9.757	9.757	(1.071)	1024281	50.0000	49
56 4-Nitroaniline	138	9.805	9.805	(1.076)	558957	50.0000	52
\$ 57 2,4,6-Tribromophenol	329	10.093	10.093	(1.108)	319662	50.0000	50
* 58 Phenanthrene-d10	188	11.002	11.002	(1.000)	2338219	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.837	9.837	(0.894)	378788	50.0000	52
60 N-Nitrosodiphenylamine	169	9.912	9.912	(0.901)	1521814	50.0000	50
61 1,2-Diphenylhydrazine	77	9.960	9.960	(0.905)	2090396	50.0000	51
62 4-Bromophenyl-phenylether	248	10.393	10.393	(0.945)	571615	50.0000	50
63 Hexachlorobenzene	284	10.505	10.505	(0.955)	647153	50.0000	51
64 Pentachlorophenol	266	10.756	10.756	(0.978)	386194	50.0000	49
65 Phenanthrene	178	11.034	11.034	(1.003)	3077817	50.0000	61
66 Anthracene	178	11.098	11.098	(1.009)	3138552	50.0000	51
67 Carbazole	167	11.306	11.306	(1.028)	2939388	50.0000	50
68 Di-n-Butylphthalate	149	11.728	11.728	(1.066)	3430163	50.0000	56
69 Fluoranthene	202	12.594	12.594	(1.145)	3331789	50.0000	50
70 Benzidine	184	12.765	12.765	(0.885)	838061	50.0000	61
* 71 Chrysene-d12	240	14.426	14.426	(1.000)	2204285	40.0000	
72 Pyrene	202	12.887	12.887	(0.893)	3368222	50.0000	50
\$ 73 Terphenyl-d14	244	13.069	13.069	(0.906)	1719076	50.0000	50
74 Butylbenzylphthalate	149	13.678	13.678	(0.948)	1429427	50.0000	58

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.378	14.378 (0.997)		1067554	50.0000	72
76 Benzo(a)Anthracene		228	14.410	14.410 (0.999)		3032200	50.0000	50
77 Bis(2-ethylhexyl)phthalate		149	14.373	14.373 (0.996)		1909340	50.0000	58
78 Chrysene		228	14.458	14.458 (1.002)		3007984	50.0000	50
* 79 Perylene-d12		264	16.477	16.477 (1.000)		2415221	40.0000	
80 Di-n-octylphthalate		149	15.179	15.179 (1.052)		3404692	50.0000	56
81 Benzo(b)fluoranthene		252	15.858	15.858 (0.962)		3006557	50.0000	50
82 Benzo(k)fluoranthene		252	15.895	15.895 (0.965)		3407499	50.0000	51
83 Benzo(a)pyrene		252	16.381	16.381 (0.994)		2836113	50.0000	51
84 Indeno(1,2,3-cd)pyrene		276	18.550	18.550 (1.286)		3706346	50.0000	53
85 Dibenzo(a,h)anthracene		278	18.572	18.572 (1.127)		3197130	50.0000	53
86 Benzo(g,h,i)perylene		276	19.197	19.197 (1.165)		3336279	50.0000	52
87 Dinoseb		211	10.980	10.980 (0.998)		457200	50.0000	49
89 Acetophenone		105	6.519	6.519 (0.890)		1398418	50.0000	51
90 Benzaldehyde		77	5.697	5.697 (0.929)		591927	50.0000	50
91 1,1'-Biphenyl		154	8.432	8.432 (0.926)		2599275	50.0000	50
92 Caprolactam		113	7.700	7.700 (1.051)		351652	50.0000	57
93 Atrazine		200	10.585	10.585 (0.962)		357204	50.0000	51
M 88 MethylPhenols,Total		100				2092554	50.0000	100

Data File: tb2211q.d

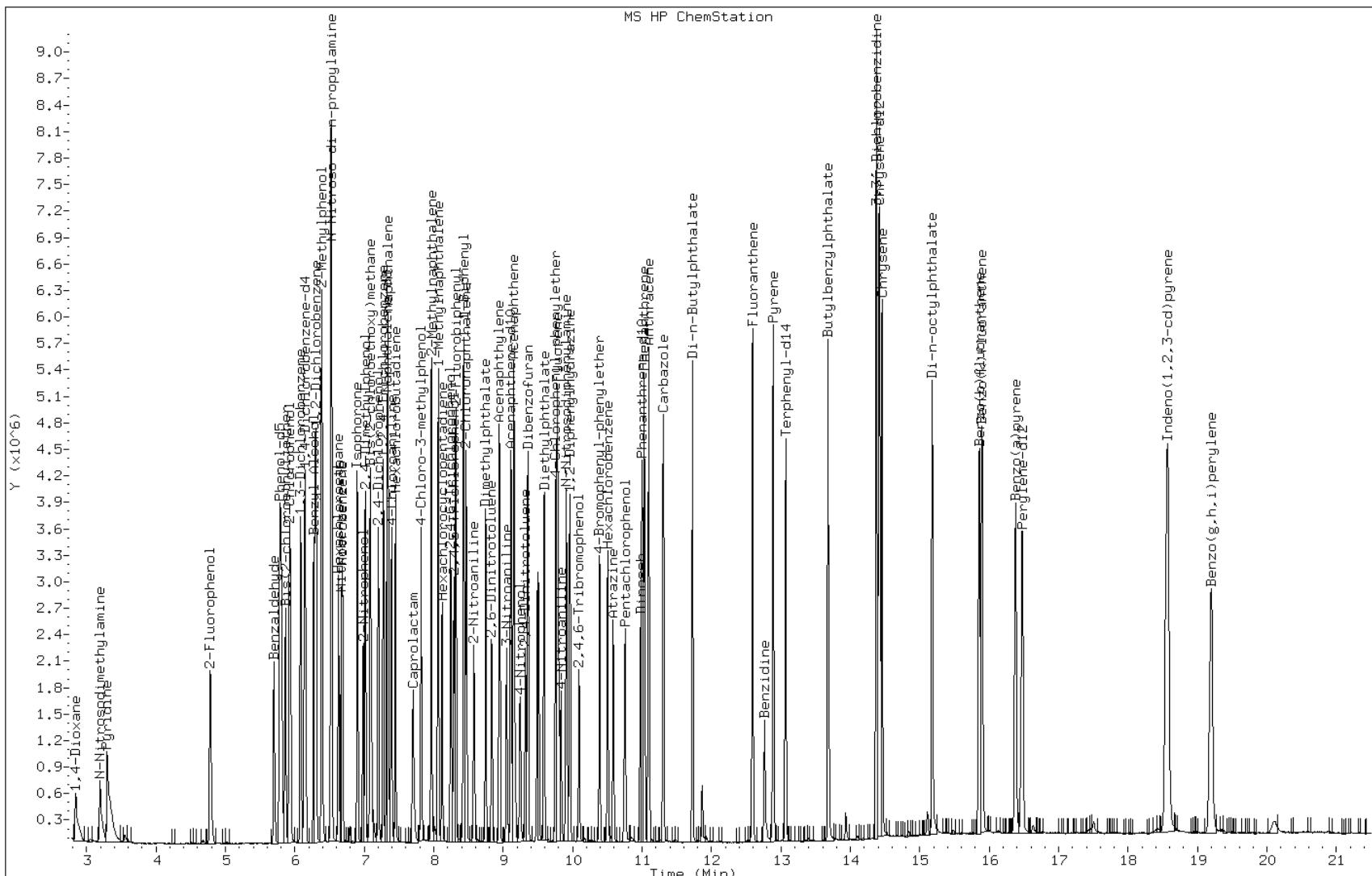
Date: 22-FEB-2013 15:21

Client ID:

Instrument: MST5973.i

Sample Info: IC;2980648-BNA050-67

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022213D.b/tb2212q.d
Lab Smp Id: IC;2980649-BNA020-6
Inj Date : 22-FEB-2013 15:50
Operator : bb Inst ID: MST5973.i
Smp Info : IC;2980649-BNA020-63
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022213D.b/t-8270D-m.m
Meth Date : 01-Mar-2013 16:46 chamberk Quant Type: ISTD
Cal Date : 13-FEB-2013 22:58 Cal File: tb1319q.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.135	6.135 (1.000)		558047	40.0000	
	2 1,4-Dioxane	88	2.849	2.849 (0.464)		193450	20.0000	21
	3 Pyridine	79	3.319	3.319 (0.541)		458172	20.0000	21
	4 N-Nitrosodimethylamine	42	3.202	3.202 (0.522)		191775	20.0000	20
\$	5 2-Fluorophenol	112	4.783	4.783 (0.780)		382092	20.0000	20
\$	6 Phenol-d5	99	5.777	5.777 (0.942)		476644	20.0000	20
	7 Aniline	93	5.809	5.809 (0.947)		561400	20.0000	22
	8 Phenol	94	5.793	5.793 (0.944)		538849	20.0000	21
	9 Bis(2-chloroethyl)ether	63	5.862	5.862 (0.956)		289371	20.0000	20
10	2-Chlorophenol	128	5.937	5.937 (0.968)		408571	20.0000	21
11	1,3-Dichlorobenzene	146	6.081	6.081 (0.991)		456000	20.0000	21
12	1,4-Dichlorobenzene	146	6.151	6.151 (1.003)		434414	20.0000	21
13	Benzyl Alcohol	108	6.274	6.274 (1.023)		240857	20.0000	20
14	1,2-Dichlorobenzene	146	6.306	6.306 (1.028)		422966	20.0000	22
15	2-Methylphenol	107	6.386	6.386 (1.041)		310100	20.0000	21
16	bis (2-Chloroisopropyl) ether	45	6.391	6.391 (1.042)		623764	20.0000	21
17	N-Nitroso-di-n-propylamine	70	6.519	6.519 (1.063)		239331	20.0000	21
18	3&4-Methylphenol	107	6.530	6.530 (1.064)		436054	20.0000	21
19	Hexachloroethane	117	6.631	6.631 (1.081)		160673	20.0000	21
*	20 Naphthalene-d8	136	7.326	7.326 (1.000)		2217915	40.0000	
\$	21 Nitrobenzene-d5	82	6.669	6.669 (0.910)		337456	20.0000	20
	22 Nitrobenzene	77	6.685	6.685 (0.912)		354736	20.0000	20
	23 Isophorone	82	6.899	6.899 (0.942)		721847	20.0000	20
	24 2-Nitrophenol	139	6.984	6.984 (0.953)		187548	20.0000	19
	25 2,4-Dimethylphenol	122	7.016	7.016 (0.958)		311535	20.0000	20
	26 Bis(2-chloroethoxy)methane	93	7.086	7.086 (0.967)		449165	20.0000	20

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
27 Benzoic acid	105	7.080	7.080 (0.966)		229443	20.0000	19
28 2,4-Dichlorophenol	162	7.203	7.203 (0.983)		309166	20.0000	20
29 1,2,4-Trichlorobenzene	180	7.272	7.272 (0.993)		349488	20.0000	21
30 Naphthalene	128	7.342	7.342 (1.002)		1126565	20.0000	21
31 4-Chloroaniline	127	7.390	7.390 (1.009)		446186	20.0000	21
32 Hexachlorobutadiene	225	7.449	7.449 (1.017)		183888	20.0000	21
33 4-Chloro-3-methylphenol	107	7.817	7.817 (1.067)		297658	20.0000	20
34 2-Methylnaphthalene	142	7.967	7.967 (1.087)		734929	20.0000	21
35 1-Methylnaphthalene	142	8.063	8.063 (1.101)		693508	20.0000	21
* 36 Acenaphthene-d10	164	9.110	9.110 (1.000)		1241911	40.0000	
37 Hexachlorocyclopentadiene	237	8.122	8.122 (0.891)		159515	20.0000	18
38 2,4,6-Trichlorophenol	196	8.245	8.245 (0.905)		205822	20.0000	20
39 2,4,5-Trichlorophenol	196	8.288	8.288 (0.910)		219505	20.0000	20
\$ 40 2-Fluorobiphenyl	172	8.320	8.320 (0.913)		729571	20.0000	21
41 2-Chloronaphthalene	162	8.469	8.469 (0.930)		678591	20.0000	21
42 2-Nitroaniline	65	8.581	8.581 (0.942)		157508	20.0000	18
43 Dimethylphthalate	163	8.747	8.747 (0.960)		740495	20.0000	21
44 2,6-Dinitrotoluene	165	8.832	8.832 (0.969)		137032	20.0000	19
45 Acenaphthylene	152	8.945	8.945 (0.982)		1049839	20.0000	20
46 3-Nitroaniline	138	9.046	9.046 (0.993)		174570	20.0000	19
47 Acenaphthene	154	9.153	9.153 (1.005)		662611	20.0000	20
48 2,4-Dinitrophenol	184	9.174	9.174 (1.007)		60481	20.0000	14
49 4-Nitrophenol	65	9.244	9.244 (1.015)		113953	20.0000	18
50 Dibenzofuran	168	9.356	9.356 (1.027)		952875	20.0000	21
51 2,4-Dinitrotoluene	165	9.319	9.319 (1.023)		192104	20.0000	19
53 Diethylphthalate	149	9.586	9.586 (1.052)		687905	20.0000	21
54 Fluorene	166	9.778	9.778 (1.073)		756368	20.0000	21
55 4-Chlorophenyl-phenylether	204	9.757	9.757 (1.071)		363961	20.0000	21
56 4-Nitroaniline	138	9.799	9.799 (1.076)		170361	20.0000	19
\$ 57 2,4,6-Tribromophenol	329	10.093	10.093 (1.108)		104996	20.0000	20
* 58 Phenanthrene-d10	188	11.001	11.001 (1.000)		1984580	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.831	9.831 (0.894)		105879	20.0000	17
60 N-Nitrosodiphenylamine	169	9.912	9.912 (0.901)		529471	20.0000	20
61 1,2-Diphenylhydrazine	77	9.960	9.960 (0.905)		723061	20.0000	20
62 4-Bromophenyl-phenylether	248	10.392	10.392 (0.945)		198616	20.0000	20
63 Hexachlorobenzene	284	10.505	10.505 (0.955)		229790	20.0000	21
64 Pentachlorophenol	266	10.756	10.756 (0.978)		117930	20.0000	18
65 Phenanthrene	178	11.028	11.028 (1.002)		1093422	20.0000	25
66 Anthracene	178	11.098	11.098 (1.009)		1109546	20.0000	21
67 Carbazole	167	11.306	11.306 (1.028)		1025637	20.0000	21
68 Di-n-Butylphthalate	149	11.728	11.728 (1.066)		1139350	20.0000	21
69 Fluoranthene	202	12.593	12.593 (1.145)		1161549	20.0000	21
70 Benzidine	184	12.764	12.764 (0.885)		285465	20.0000	22
* 71 Chrysene-d12	240	14.420	14.420 (1.000)		1874096	40.0000	
72 Pyrene	202	12.887	12.887 (0.894)		1182733	20.0000	21
\$ 73 Terphenyl-d14	244	13.069	13.069 (0.906)		596273	20.0000	20
74 Butylbenzylphthalate	149	13.678	13.678 (0.949)		452926	20.0000	20

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.378	14.378 (0.997)		346811	20.0000	26
76 Benzo(a)Anthracene		228	14.404	14.404 (0.999)		1057453	20.0000	21
77 Bis(2-ethylhexyl)phthalate		149	14.372	14.372 (0.997)		639460	20.0000	21
78 Chrysene		228	14.452	14.452 (1.002)		1053317	20.0000	21
* 79 Perylene-d12		264	16.467	16.467 (1.000)		1848928	40.0000	
80 Di-n-octylphthalate		149	15.174	15.174 (1.052)		1014952	20.0000	19
81 Benzo(b)fluoranthene		252	15.847	15.847 (0.962)		972373	20.0000	21
82 Benzo(k)fluoranthene		252	15.890	15.890 (0.965)		1111017	20.0000	22
83 Benzo(a)pyrene		252	16.370	16.370 (0.994)		873202	20.0000	20
84 Indeno(1,2,3-cd)pyrene		276	18.539	18.539 (1.286)		1108194	20.0000	19
85 Dibenzo(a,h)anthracene		278	18.561	18.561 (1.127)		970247	20.0000	21
86 Benzo(g,h,i)perylene		276	19.180	19.180 (1.165)		980598	20.0000	20
87 Dinoseb		211	10.980	10.980 (0.998)		102776	20.0000	13
89 Acetophenone		105	6.519	6.519 (0.890)		522476	20.0000	22
90 Benzaldehyde		77	5.702	5.702 (0.929)		257351	20.0000	25
91 1,1'-Biphenyl		154	8.432	8.432 (0.926)		926738	20.0000	21
92 Caprolactam		113	7.689	7.689 (1.050)		121051	20.0000	22
93 Atrazine		200	10.585	10.585 (0.962)		163018	20.0000	26
M 88 MethylPhenols,Total		100				746154	20.0000	42

Data File: tb2212q.d

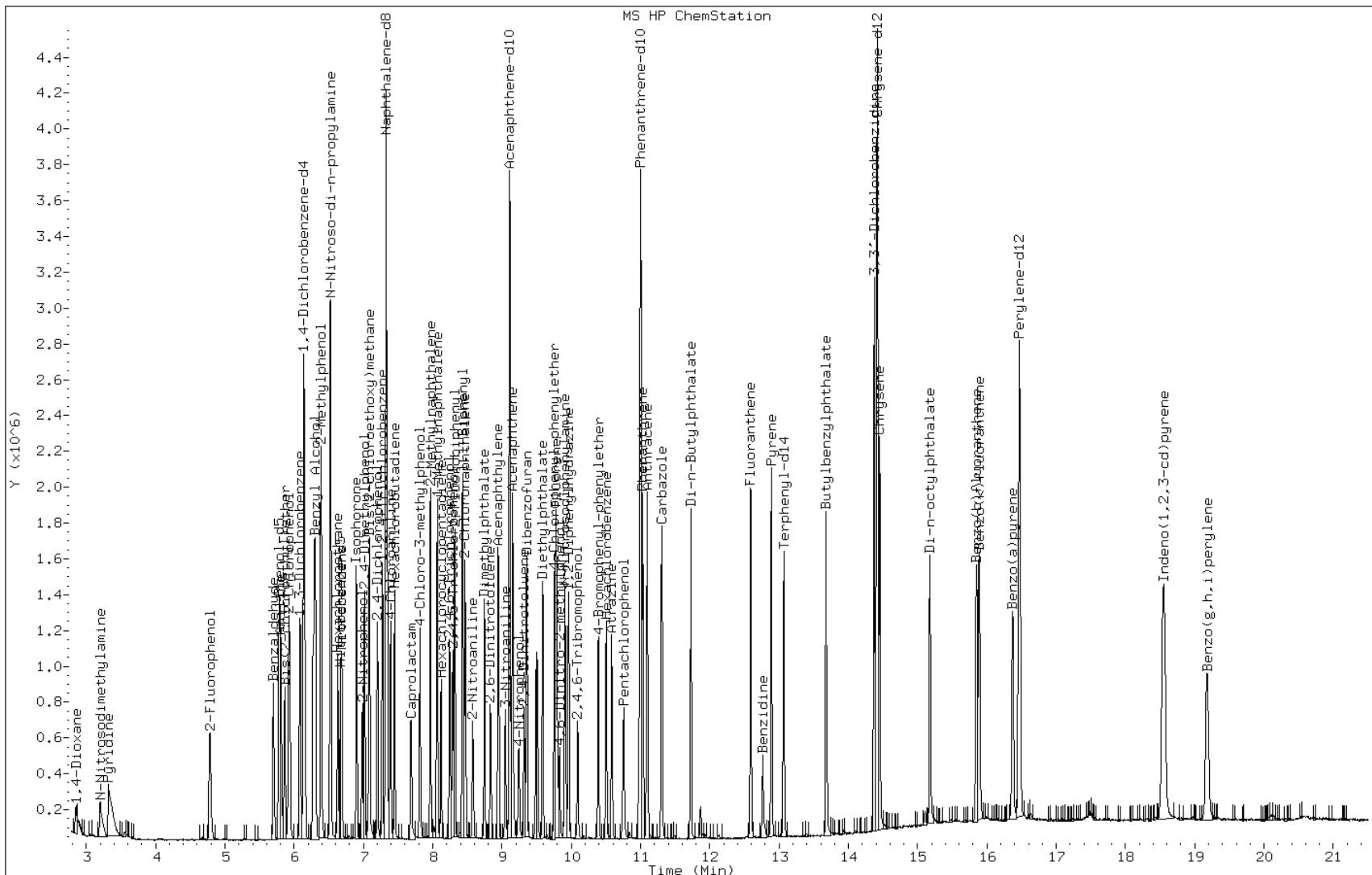
Date: 22-FEB-2013 15:50

Client ID:

Instrument: MST5973.i

Sample Info: IC;2980649-BNA020-63

Operator: bb



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022213D.b/tb2213q.d
Lab Smp Id: IC;2980656-BNA010-7
Inj Date : 22-FEB-2013 16:18
Operator : bb Inst ID: MST5973.i
Smp Info : IC;2980656-BNA010-77
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022213D.b/t-8270D-m.m
Meth Date : 01-Mar-2013 16:46 chamberk Quant Type: ISTD
Cal Date : 13-FEB-2013 23:26 Cal File: tb1320q.d
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.135	6.135 (1.000)		567575	40.0000	
	2 1,4-Dioxane	88	2.849	2.849 (0.464)		100938	10.0000	10
	3 Pyridine	79	3.330	3.330 (0.543)		227904	10.0000	10
	4 N-Nitrosodimethylamine	42	3.202	3.202 (0.522)		97240	10.0000	10
\$	5 2-Fluorophenol	112	4.783	4.783 (0.780)		194977	10.0000	9.9
\$	6 Phenol-d5	99	5.777	5.777 (0.942)		242006	10.0000	10
	7 Aniline	93	5.809	5.809 (0.947)		296149	10.0000	11
	8 Phenol	94	5.793	5.793 (0.944)		269070	10.0000	10
	9 Bis(2-chloroethyl)ether	63	5.862	5.862 (0.956)		149233	10.0000	10
10	2-Chlorophenol	128	5.932	5.932 (0.967)		210719	10.0000	10
11	1,3-Dichlorobenzene	146	6.081	6.081 (0.991)		234029	10.0000	10
12	1,4-Dichlorobenzene	146	6.151	6.151 (1.003)		229409	10.0000	11
13	Benzyl Alcohol	108	6.274	6.274 (1.023)		120323	10.0000	9.4
14	1,2-Dichlorobenzene	146	6.306	6.306 (1.028)		219573	10.0000	11
15	2-Methylphenol	107	6.386	6.386 (1.041)		155169	10.0000	10
16	bis (2-Chloroisopropyl) ether	45	6.391	6.391 (1.042)		321468	10.0000	10
17	N-Nitroso-di-n-propylamine	70	6.514	6.514 (1.062)		121135	10.0000	10
18	3&4-Methylphenol	107	6.530	6.530 (1.064)		223166	10.0000	10
19	Hexachloroethane	117	6.626	6.626 (1.080)		80252	10.0000	10
*	20 Naphthalene-d8	136	7.326	7.326 (1.000)		2241629	40.0000	
\$	21 Nitrobenzene-d5	82	6.669	6.669 (0.910)		161576	10.0000	9.5
	22 Nitrobenzene	77	6.685	6.685 (0.912)		175052	10.0000	9.9
	23 Isophorone	82	6.899	6.899 (0.942)		356651	10.0000	10
	24 2-Nitrophenol	139	6.984	6.984 (0.953)		90993	10.0000	9.2
	25 2,4-Dimethylphenol	122	7.016	7.016 (0.958)		154408	10.0000	9.8
	26 Bis(2-chloroethoxy)methane	93	7.086	7.086 (0.967)		231995	10.0000	10

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid		105	7.075	7.075 (0.966)		101054	10.0000	7.8
28 2,4-Dichlorophenol		162	7.203	7.203 (0.983)		155951	10.0000	10
29 1,2,4-Trichlorobenzene		180	7.273	7.273 (0.993)		181729	10.0000	11
30 Naphthalene		128	7.342	7.342 (1.002)		575264	10.0000	11
31 4-Chloroaniline		127	7.390	7.390 (1.009)		220084	10.0000	10
32 Hexachlorobutadiene		225	7.449	7.449 (1.017)		94293	10.0000	11
33 4-Chloro-3-methylphenol		107	7.818	7.818 (1.067)		144782	10.0000	9.6
34 2-Methylnaphthalene		142	7.967	7.967 (1.087)		370925	10.0000	10
35 1-Methylnaphthalene		142	8.063	8.063 (1.101)		349830	10.0000	10
* 36 Acenaphthene-d10		164	9.110	9.110 (1.000)		1233814	40.0000	
37 Hexachlorocyclopentadiene		237	8.122	8.122 (0.892)		72442	10.0000	8.7
38 2,4,6-Trichlorophenol		196	8.245	8.245 (0.905)		98697	10.0000	9.8
39 2,4,5-Trichlorophenol		196	8.288	8.288 (0.910)		107119	10.0000	10
\$ 40 2-Fluorobiphenyl		172	8.320	8.320 (0.913)		375589	10.0000	11
41 2-Chloronaphthalene		162	8.469	8.469 (0.930)		352451	10.0000	11
42 2-Nitroaniline		65	8.582	8.582 (0.942)		72168	10.0000	8.4
43 Dimethylphthalate		163	8.747	8.747 (0.960)		373755	10.0000	10
44 2,6-Dinitrotoluene		165	8.833	8.833 (0.969)		57800	10.0000	7.9
45 Acenaphthylene		152	8.945	8.945 (0.982)		515865	10.0000	10
46 3-Nitroaniline		138	9.052	9.052 (0.994)		77956	10.0000	8.5
47 Acenaphthene		154	9.153	9.153 (1.005)		329769	10.0000	10
48 2,4-Dinitrophenol		184	9.169	9.169 (1.006)		22002	10.0000	5.0
49 4-Nitrophenol		65	9.244	9.244 (1.015)		51407	10.0000	8.2
50 Dibenzofuran		168	9.356	9.356 (1.027)		484510	10.0000	11
51 2,4-Dinitrotoluene		165	9.324	9.324 (1.023)		85118	10.0000	8.4
53 Diethylphthalate		149	9.586	9.586 (1.052)		345253	10.0000	10
54 Fluorene		166	9.778	9.778 (1.073)		384592	10.0000	11
55 4-Chlorophenyl-phenylether		204	9.757	9.757 (1.071)		184526	10.0000	11
56 4-Nitroaniline		138	9.800	9.800 (1.076)		78551	10.0000	8.6
\$ 57 2,4,6-Tribromophenol		329	10.093	10.093 (1.108)		48108	10.0000	9.2
* 58 Phenanthrene-d10		188	11.002	11.002 (1.000)		1996218	40.0000	
59 4,6-Dinitro-2-methylphenol		198	9.832	9.832 (0.894)		41410	10.0000	6.7
60 N-Nitrosodiphenylamine		169	9.906	9.906 (0.900)		266368	10.0000	10
61 1,2-Diphenylhydrazine		77	9.960	9.960 (0.905)		359199	10.0000	10
62 4-Bromophenyl-phenylether		248	10.393	10.393 (0.945)		99838	10.0000	10
63 Hexachlorobenzene		284	10.505	10.505 (0.955)		120020	10.0000	11
64 Pentachlorophenol		266	10.756	10.756 (0.978)		49235	10.0000	7.4
65 Phenanthrene		178	11.028	11.028 (1.002)		549461	10.0000	13
66 Anthracene		178	11.098	11.098 (1.009)		544633	10.0000	10
67 Carbazole		167	11.306	11.306 (1.028)		509053	10.0000	10
68 Di-n-Butylphthalate		149	11.728	11.728 (1.066)		545895	10.0000	9.6
69 Fluoranthene		202	12.588	12.588 (1.144)		565983	10.0000	10
70 Benzidine		184	12.765	12.765 (0.885)		171489	10.0000	12
* 71 Chrysene-d12		240	14.421	14.421 (1.000)		1879032	40.0000	
72 Pyrene		202	12.887	12.887 (0.894)		584440	10.0000	10
\$ 73 Terphenyl-d14		244	13.069	13.069 (0.906)		300637	10.0000	10
74 Butylbenzylphthalate		149	13.678	13.678 (0.949)		211162	10.0000	8.8

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.373	14.373 (0.997)		168347	10.0000	12
76 Benzo(a)Anthracene		228	14.405	14.405 (0.999)		541508	10.0000	11
77 Bis(2-ethylhexyl)phthalate		149	14.373	14.373 (0.997)		297934	10.0000	9.4
78 Chrysene		228	14.453	14.453 (1.002)		536153	10.0000	10
* 79 Perylene-d12		264	16.467	16.467 (1.000)		1822560	40.0000	
80 Di-n-octylphthalate		149	15.174	15.174 (1.052)		452047	10.0000	8.1
81 Benzo(b)fluoranthene		252	15.847	15.847 (0.962)		478673	10.0000	10
82 Benzo(k)fluoranthene		252	15.890	15.890 (0.965)		533236	10.0000	11
83 Benzo(a)pyrene		252	16.371	16.371 (0.994)		422451	10.0000	10
84 Indeno(1,2,3-cd)pyrene		276	18.540	18.540 (1.286)		532473	10.0000	9.0
85 Dibenzo(a,h)anthracene		278	18.556	18.556 (1.127)		468978	10.0000	10
86 Benzo(g,h,i)perylene		276	19.175	19.175 (1.164)		460178	10.0000	9.4
87 Dinoseb		211	10.980	10.980 (0.998)		35257	10.0000	4.6
89 Acetophenone		105	6.519	6.519 (0.890)		262535	10.0000	11
90 Benzaldehyde		77	5.702	5.702 (0.929)		141170	10.0000	13
91 1,1'-Biphenyl		154	8.432	8.432 (0.926)		482370	10.0000	11
92 Caprolactam		113	7.684	7.684 (1.049)		55183	10.0000	9.1
93 Atrazine		200	10.585	10.585 (0.962)		85538	10.0000	13
M 88 MethylPhenols,Total		100				378335	10.0000	21

Data File: tb2213q.d

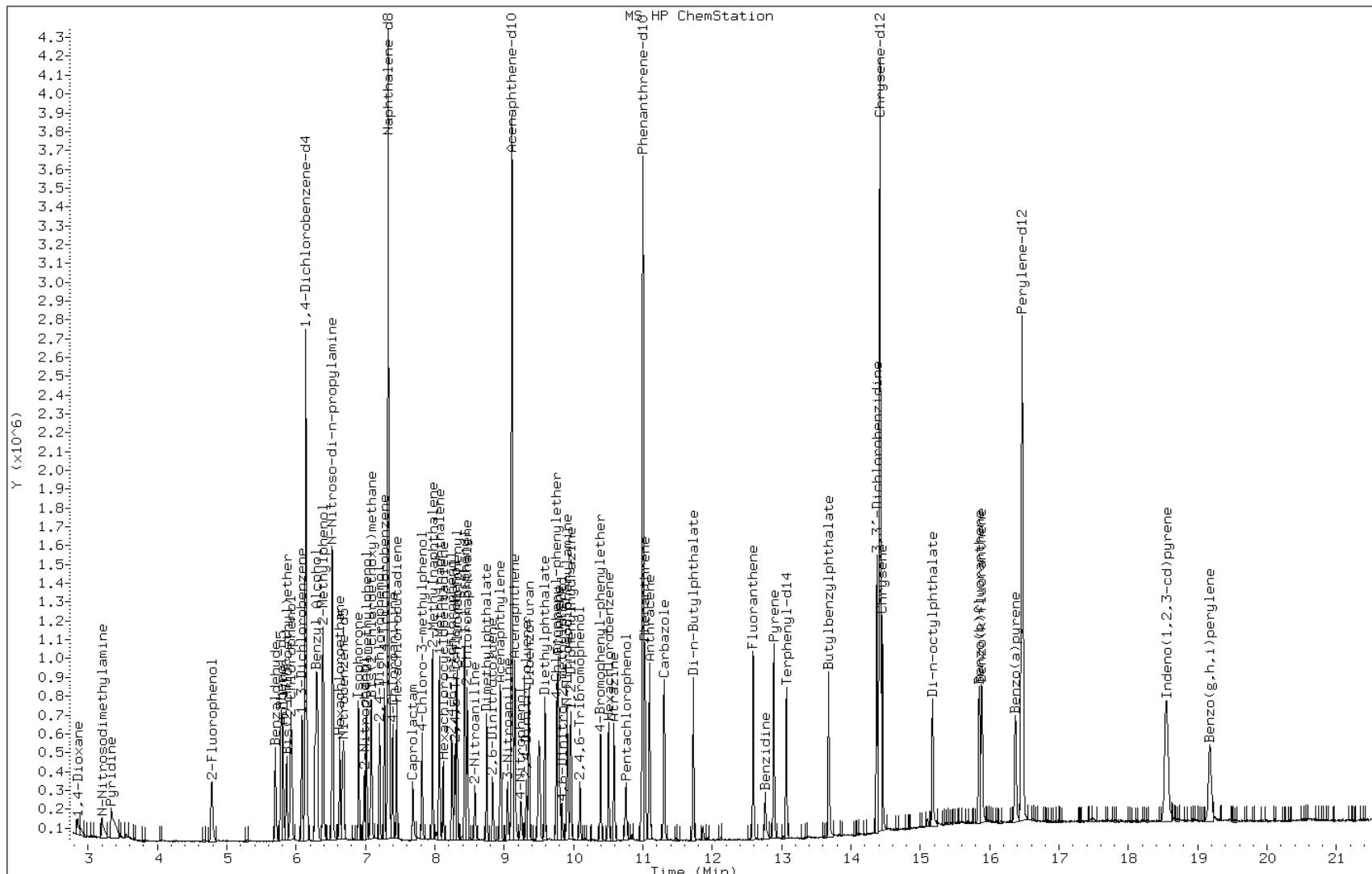
Date: 22-FEB-2013 16:18

Client ID:

Instrument: MST5973.i

Sample Info: IC;2980656-BNA010-77

Operator: bb



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267580

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2013 15:40 Calibration End Date: 02/26/2013 18:01 Calibration ID: 16506

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-267580/7	tb2608q.d
Level 2	IC 680-267580/6	tb2607q.d
Level 3	IC 680-267580/5	tb2606q.d
Level 4	ICIS 680-267580/2	tb2603q.d
Level 5	IC 680-267580/4	tb2605q.d
Level 6	IC 680-267580/3	tb2604q.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6383 0.5824	0.6042	0.5677	0.6489	0.5487	Ave		0.5984				6.6		20.0			
N-Nitrosodimethylamine	0.6891 0.6696	0.6378	0.6346	0.7067	0.6263	Ave		0.6607				5.0		20.0			
Pyridine	1.5685 1.4358	1.4505	1.4293	1.6603	1.4434	Ave		1.4980				6.3		20.0			
Methyl Phenols, Total	2.7873 2.3285	2.5520	2.4182	2.6977	2.4305	Ave		2.5357			0.6000	7.0		20.0			
Benzaldehyde	1.3028 +++++	1.0331	0.7423	0.7647	0.4959	Ave		0.8678			0.0100	35.6	*	20.0			
Phenol	1.8606 1.8045	1.7146	1.6720	1.8652	1.6911	Ave		1.7680			0.8000	4.9		20.0			
Aniline	2.1186 1.4471	1.8688	1.6387	2.0849	1.5236	Ave		1.7803				16.1		20.0			
Bis(2-chloroethyl)ether	1.0752 1.0040	1.0024	0.9744	1.0909	0.9734	Ave		1.0201			0.7000	5.0		20.0			
2-Chlorophenol	1.5070 1.3159	1.4218	1.3564	1.4512	1.3259	Ave		1.3964			0.8000	5.4		20.0			
1,3-Dichlorobenzene	1.7028 1.4504	1.5704	1.5194	1.6454	1.4670	Ave		1.5593				6.4		20.0			
1,4-Dichlorobenzene	1.6769 1.4405	1.5475	1.4820	1.6227	1.4388	Ave		1.5347				6.4		20.0			
Benzyl alcohol	0.9566 0.9395	0.8830	0.8863	1.0026	0.9092	Ave		0.9295				5.0		20.0			
1,2-Dichlorobenzene	1.6044 1.2984	1.4824	1.3891	1.4918	1.3310	Ave		1.4328				8.0		20.0			
2-Methylphenol	1.1494 1.0269	1.0374	0.9987	1.1374	1.0285	Ave		1.0631			0.7000	6.0		20.0			
bis (2-chloroisopropyl) ether	2.0706 1.8750	1.9363	1.8554	2.0854	1.8847	Ave		1.9512			0.0100	5.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-87318-5 Analy Batch No.: 267580

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2013 15:40 Calibration End Date: 02/26/2013 18:01 Calibration ID: 16506

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3 & 4 Methylphenol	1.6379 1.3016	1.5146	1.4195	1.5603	1.4020	Ave		1.4726				8.3		20.0			
Acetophenone	0.5450 0.3571	0.4496	0.4134	0.4462	0.3764	Ave		0.4313			0.0100	15.5		20.0			
N-Nitrosodi-n-propylamine	0.9509 0.8394	0.8867	0.8476	0.9235	0.8562	Ave		0.8841			0.5000	5.1		20.0			
Hexachloroethane	0.6048 0.5550	0.5667	0.5551	0.6044	0.5448	Ave		0.5718			0.3000	4.6		20.0			
Nitrobenzene	0.3650 0.3340	0.3413	0.3377	0.3689	0.3268	Ave		0.3456			0.2000	5.0		20.0			
Isophorone	0.7339 0.6464	0.6726	0.6539	0.7328	0.6444	Ave		0.6807			0.4000	6.2		20.0			
2-Nitrophenol	0.1774 0.1822	0.1677	0.1764	0.1919	0.1752	Ave		0.1785			0.1000	4.5		20.0			
2,4-Dimethylphenol	0.3384 0.2756	0.2747	0.2812	0.3245	0.2588	Ave		0.2922			0.2000	10.8		20.0			
Bis(2-chloroethoxy)methane	0.4295 0.3687	0.3967	0.3799	0.4190	0.3669	Ave		0.3934			0.3000	6.7		20.0			
Benzoic acid	0.1859 0.2832	0.2042	0.1869	0.2649	0.2530	Ave		0.2297				18.5		20.0			
2,4-Dichlorophenol	0.3137 0.2751	0.2876	0.2823	0.3099	0.2765	Ave		0.2909			0.2000	5.8		20.0			
1,2,4-Trichlorobenzene	0.3679 0.2930	0.3357	0.3218	0.3433	0.3021	Ave		0.3273				8.4		20.0			
Naphthalene	1.0964 0.8545	1.0086	0.9640	1.0399	0.9139	Ave		0.9795			0.7000	8.9		20.0			
4-Chloroaniline	0.4357 0.3670	0.4005	0.3816	0.4376	0.3702	Ave		0.3988			0.0100	7.9		20.0			
Hexachlorobutadiene	0.2103 0.1704	0.1903	0.1848	0.1964	0.1723	Ave		0.1874			0.0100	8.0		20.0			
Caprolactam	0.1279 +++++	0.1066	0.1094	0.1168	0.1124	Ave		0.1146			0.0100	7.3		20.0			
4-Chloro-3-methylphenol	0.3068 0.2900	0.2862	0.2826	0.3152	0.2833	Ave		0.2940			0.2000	4.6		20.0			
2-Methylnaphthalene	0.7462 0.6023	0.6793	0.6603	0.7089	0.6270	Ave		0.6707			0.4000	7.9		20.0			
1-Methylnaphthalene	0.7060 0.5684	0.6446	0.6114	0.6725	0.5926	Ave		0.6326				8.2		20.0			
Hexachlorocyclopentadiene	0.3288 0.3153	0.3259	0.3308	0.3679	0.3181	Ave		0.3311			0.0500	5.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267580

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2013 15:40 Calibration End Date: 02/26/2013 18:01 Calibration ID: 16506

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,4,6-Trichlorophenol	0.3816 0.3346	0.3584	0.3400	0.3871	0.3321	Ave		0.3556			0.2000	6.8		20.0			
2,4,5-Trichlorophenol	0.4087 0.3586	0.3893	0.3736	0.3924	0.3576	Ave		0.3800			0.2000	5.4		20.0			
1,1'-Biphenyl	1.7446 1.1797	1.4790	1.3672	1.4812	1.2661	Ave		1.4196			0.0100	14.0		20.0			
2-Chloronaphthalene	1.1923 0.9232	1.1061	1.0341	1.1041	0.9588	Ave		1.0531			0.8000	9.6		20.0			
2-Nitroaniline	0.2721 0.3142	0.2716	0.2911	0.3179	0.2983	Ave		0.2942			0.0100	6.8		20.0			
Dimethyl phthalate	1.3485 1.1377	1.2531	1.2137	1.2975	1.1601	Ave		1.2351			0.0100	6.5		20.0			
2,6-Dinitrotoluene	0.2282 0.2664	0.2386	0.2596	0.2810	0.2578	Ave		0.2553			0.2000	7.5		20.0			
Acenaphthylene	1.8390 1.4355	1.7034	1.6391	1.7650	1.5491	Ave		1.6552			0.9000	8.9		20.0			
3-Nitroaniline	0.2846 0.2954	0.2818	0.2945	0.3174	0.2912	Ave		0.2941			0.0100	4.3		20.0			
Acenaphthene	1.1269 0.9382	1.0728	1.0186	1.0924	0.9697	Ave		1.0365			0.9000	7.1		20.0			
2,4-Dinitrophenol	0.0736 0.1384	0.0760	0.1046	0.1161	0.1202	QuaF		9.4969	-3.306						0.9989		0.9900
4-Nitrophenol	0.1912 0.2396	0.1991	0.2196	0.2388	0.2239	Ave		0.2187			0.0100	9.2		20.0			
2,4-Dinitrotoluene	0.3084 0.3713	0.3160	0.3582	0.3829	0.3571	Ave		0.3490			0.2000	8.6		20.0			
Dibenzofuran	1.6950 1.3148	1.5721	1.4788	1.5828	1.3919	Ave		1.5059			0.8000	9.2		20.0			
Diethyl phthalate	1.3185 1.1011	1.2175	1.2022	1.2712	1.1397	Ave		1.2084			0.0100	6.7		20.0			
4-Chlorophenyl phenyl ether	0.7103 0.5408	0.6504	0.6153	0.6513	0.5749	Ave		0.6238			0.4000	9.7		20.0			
Fluorene	1.3957 1.0230	1.2575	1.1835	1.2482	1.0963	Ave		1.2007			0.9000	10.9		20.0			
4-Nitroaniline	0.2953 0.2993	0.2925	0.2955	0.3135	0.2845	Ave		0.2967			0.0100	3.2		20.0			
4,6-Dinitro-2-methylphenol	0.0685 0.1279	0.0736	0.1003	0.1113	0.1118	QuaF		9.9782	-3.398						0.9990		0.9900
N-Nitrosodiphenylamine	0.5623 0.5028	0.5368	0.5113	0.5219	0.4970	Ave		0.5220			0.0100	4.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267580

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2013 15:40 Calibration End Date: 02/26/2013 18:01 Calibration ID: 16506

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine(as Azobenzene)	0.7354 0.6748	0.6940	0.6643	0.7270	0.6491	Ave		0.6908				5.0		20.0			
4-Bromophenyl phenyl ether	0.2373 0.2070	0.2194	0.2119	0.2257	0.2039	Ave		0.2175			0.1000	5.8		20.0			
Hexachlorobenzene	0.2472 0.2097	0.2311	0.2182	0.2287	0.2068	Ave		0.2236			0.1000	6.8		20.0			
Atrazine	0.2483 +++++	0.1546	0.0871	0.2071	0.0548	Ave		0.1504			0.0100	53.6	*	20.0			
Pentachlorophenol	+++++ 0.1590	0.1306	0.1442	0.1497	0.1468	Ave		0.1460			0.0500	7.0		20.0			
Dinoseb	0.0714 0.1715	0.0857	0.1261	0.1428	0.1495	QuaF		7.7220	-2.223						0.9983		0.9900
Phenanthrene	1.1514 0.9516	1.0719	1.0355	1.0988	0.9773	Ave		1.0478			0.7000	7.2		20.0			
Anthracene	1.1846 0.9444	1.0937	1.0480	1.1252	0.9805	Ave		1.0627			0.7000	8.5		20.0			
Carbazole	1.0946 0.8955	1.0131	0.9793	1.0417	0.9116	Ave		0.9893			0.0100	7.7		20.0			
Di-n-butyl phthalate	1.2941 1.0262	1.2160	1.1887	1.2398	1.0955	Ave		1.1767			0.0100	8.4		20.0			
Fluoranthene	1.3453 1.0575	1.2413	1.2193	1.2574	1.1216	Ave		1.2071			0.6000	8.5		20.0			
Benzidine	0.6433 +++++	0.3081	0.2298	0.5629	0.2121	Ave		0.3912				50.8	*	20.0			
Pyrene	1.3055 1.2306	1.2057	1.2356	1.3745	1.2427	Ave		1.2658			0.6000	5.0		20.0			
Butyl benzyl phthalate	0.5203 0.5735	0.5012	0.5355	0.5931	0.5523	Ave		0.5460			0.0100	6.2		20.0			
3,3'-Dichlorobenzidine	0.4708 0.4535	0.4113	0.4560	0.4997	0.4466	Ave		0.4563			0.0100	6.4		20.0			
Benzo[a]anthracene	1.2432 1.1107	1.1559	1.1468	1.2873	1.1193	Ave		1.1772			0.8000	6.1		20.0			
Bis(2-ethylhexyl) phthalate	0.6921 0.6901	0.6698	0.6910	0.7705	0.6921	Ave		0.7009			0.0100	5.0		20.0			
Chrysene	1.2104 1.1342	1.1370	1.1434	1.2649	1.1404	Ave		1.1717			0.7000	4.6		20.0			
Di-n-octyl phthalate	1.1324 1.3311	1.1493	1.3063	1.4784	1.3572	Ave		1.2924			0.0100	10.2		20.0			
Benzo[b]fluoranthene	1.0725 0.9858	1.0870	1.0750	1.1385	0.9872	Ave		1.0577			0.7000	5.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267580

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2013 15:40 Calibration End Date: 02/26/2013 18:01 Calibration ID: 16506

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[k]fluoranthene	1.2667 0.9259	1.1231	1.0527	1.1043	1.0204	Ave		1.0822			0.7000	10.6		20.0			
Benzo[a]pyrene	0.9966 0.8696	0.9496	0.9532	1.0133	0.9091	Ave		0.9486			0.7000	5.6		20.0			
Indeno[1,2,3-cd]pyrene	1.2170 1.5174	1.2661	1.3778	1.5097	1.4173	Ave		1.3842			0.5000	8.9		20.0			
Dibenz(a,h)anthracene	1.0118 0.9079	0.9995	1.0102	1.0467	0.9489	Ave		0.9875			0.4000	5.1		20.0			
Benzo[g,h,i]perylene	1.0589 1.0003	1.0295	1.0400	1.0916	1.0027	Ave		1.0372			0.5000	3.4		20.0			
2-Fluorophenol (Surr)	1.4069 1.3158	1.2979	1.2795	1.4212	1.2540	Ave		1.3292				5.2		20.0			
Phenol-d5 (Surr)	1.7689 1.6856	1.6700	1.6278	1.7940	1.6459	Ave		1.6987				4.0		20.0			
Nitrobenzene-d5 (Surr)	0.3468 0.3340	0.3322	0.3346	0.3589	0.3308	Ave		0.3396				3.3		20.0			
2-Fluorobiphenyl	1.3074 1.0222	1.2195	1.1477	1.2364	1.0684	Ave		1.1669				9.3		20.0			
2,4,6-Tribromophenol (Surr)	0.1750 0.1688	0.1659	0.1760	0.1819	0.1698	Ave		0.1729				3.4		20.0			
Terphenyl-d14 (Surr)	0.7123 0.7047	0.6511	0.6795	0.7618	0.6889	Ave		0.6997				5.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267580

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2013 15:40 Calibration End Date: 02/26/2013 18:01 Calibration ID: 16506

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-267580/7	tb2608q.d
Level 2	IC 680-267580/6	tb2607q.d
Level 3	IC 680-267580/5	tb2606q.d
Level 4	ICIS 680-267580/2	tb2603q.d
Level 5	IC 680-267580/4	tb2605q.d
Level 6	IC 680-267580/3	tb2604q.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	61521 1196822	121589	319962	490620	567407	10.0 200	20.0	50.0	80.0	100
N-Nitrosodimethylamine	DCB	Ave	66410 1376133	128358	357682	534335	647598	10.0 200	20.0	50.0	80.0	100
Pyridine	DCB	Ave	151172 2950521	291916	805591	1255304	1492561	10.0 200	20.0	50.0	80.0	100
Methyl Phenols, Total	DCB	Ave	268634 4785085	513591	1362927	2039657	2513168	10.0 200	20.0	50.0	80.0	100
Benzaldehyde	DCB	Ave	125564 +++++	207920	418358	578163	512757	10.0 +++++	20.0	50.0	80.0	100
Phenol	DCB	Ave	179318 3708359	345059	942363	1410198	1748670	10.0 200	20.0	50.0	80.0	100
Aniline	DCB	Ave	204182 2973727	376103	923592	1576316	1575441	10.0 200	20.0	50.0	80.0	100
Bis(2-chloroethyl)ether	DCB	Ave	103625 2063195	201740	549192	824808	1006563	10.0 200	20.0	50.0	80.0	100
2-Chlorophenol	DCB	Ave	145242 2704186	286137	764509	1097191	1371012	10.0 200	20.0	50.0	80.0	100
1,3-Dichlorobenzene	DCB	Ave	164116 2980622	316055	856388	1244048	1516961	10.0 200	20.0	50.0	80.0	100
1,4-Dichlorobenzene	DCB	Ave	161620 2960274	311432	835266	1226896	1487809	10.0 200	20.0	50.0	80.0	100
Benzyl alcohol	DCB	Ave	92193 1930609	177698	499532	758074	940109	10.0 200	20.0	50.0	80.0	100
1,2-Dichlorobenzene	DCB	Ave	154629 2668175	298334	782903	1127935	1376335	10.0 200	20.0	50.0	80.0	100
2-Methylphenol	DCB	Ave	110776 2110342	208781	562891	859954	1063506	10.0 200	20.0	50.0	80.0	100
bis (2-chloroisopropyl) ether	DCB	Ave	199555 3853246	389684	1045723	1576747	1948881	10.0 200	20.0	50.0	80.0	100
3 & 4 Methylphenol	DCB	Ave	157858 2674743	304810	800036	1179703	1449662	10.0 200	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267580

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2013 15:40 Calibration End Date: 02/26/2013 18:01 Calibration ID: 16506

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetophenone	NPT	Ave	203486 3042552	353231	906571	1338411	1624103	10.0 200	20.0	50.0	80.0	100
N-Nitrosodi-n-propylamine	DCB	Ave	91648 1725038	178459	477747	698263	885293	10.0 200	20.0	50.0	80.0	100
Hexachloroethane	DCB	Ave	58289 1140458	114043	312862	457008	563321	10.0 200	20.0	50.0	80.0	100
Nitrobenzene	NPT	Ave	136289 2845888	268147	740559	1106624	1410112	10.0 200	20.0	50.0	80.0	100
Isophorone	NPT	Ave	274047 5506873	528428	1434028	2198107	2780599	10.0 200	20.0	50.0	80.0	100
2-Nitrophenol	NPT	Ave	66237 1551829	131766	386928	575732	756002	10.0 200	20.0	50.0	80.0	100
2,4-Dimethylphenol	NPT	Ave	126349 2347721	215842	616757	973238	1116771	10.0 200	20.0	50.0	80.0	100
Bis(2-chloroethoxy)methane	NPT	Ave	160370 3140934	311675	833069	1256749	1583130	10.0 200	20.0	50.0	80.0	100
Benzoic acid	NPT	Ave	69407 2413048	160454	409986	794542	1091611	10.0 200	20.0	50.0	80.0	100
2,4-Dichlorophenol	NPT	Ave	117142 2343932	225938	619081	929443	1193257	10.0 200	20.0	50.0	80.0	100
1,2,4-Trichlorobenzene	NPT	Ave	137387 2496340	263704	705833	1029594	1303646	10.0 200	20.0	50.0	80.0	100
Naphthalene	NPT	Ave	409384 7280150	792343	2114117	3119239	3943220	10.0 200	20.0	50.0	80.0	100
4-Chloroaniline	NPT	Ave	162688 3126536	314618	836978	1312652	1597509	10.0 200	20.0	50.0	80.0	100
Hexachlorobutadiene	NPT	Ave	78532 1451961	149509	405265	589181	743458	10.0 200	20.0	50.0	80.0	100
Caprolactam	NPT	Ave	47770 +++++	83742	239922	350399	484924	10.0 +++++	20.0	50.0	80.0	100
4-Chloro-3-methylphenol	NPT	Ave	114554 2470885	224862	619754	945434	1222329	10.0 200	20.0	50.0	80.0	100
2-Methylnaphthalene	NPT	Ave	278625 5130822	533696	1448212	2126213	2705247	10.0 200	20.0	50.0	80.0	100
1-Methylnaphthalene	NPT	Ave	263610 4842141	506428	1340842	2017246	2557094	10.0 200	20.0	50.0	80.0	100
Hexachlorocyclopentadiene	ANT	Ave	74859 1727149	152094	445877	683386	875870	10.0 200	20.0	50.0	80.0	100
2,4,6-Trichlorophenol	ANT	Ave	86864 1832747	167272	458302	719138	914335	10.0 200	20.0	50.0	80.0	100
2,4,5-Trichlorophenol	ANT	Ave	93045 1964111	181700	503649	728881	984393	10.0 200	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-87318-5 Analy Batch No.: 267580

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2013 15:40 Calibration End Date: 02/26/2013 18:01 Calibration ID: 16506

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1'-Biphenyl	ANT	Ave	397138 6462336	690295	1842946	2751608	3485710	10.0 200	20.0	50.0	80.0	100
2-Chloronaphthalene	ANT	Ave	271420 5057296	516259	1393917	2051141	2639659	10.0 200	20.0	50.0	80.0	100
2-Nitroaniline	ANT	Ave	61952 1721291	126760	392394	590576	821108	10.0 200	20.0	50.0	80.0	100
Dimethyl phthalate	ANT	Ave	306975 6232084	584863	1636132	2410478	3193669	10.0 200	20.0	50.0	80.0	100
2,6-Dinitrotoluene	ANT	Ave	51943 1459306	111354	349948	522094	709741	10.0 200	20.0	50.0	80.0	100
Acenaphthylene	ANT	Ave	418646 7863641	795018	2209572	3278818	4264590	10.0 200	20.0	50.0	80.0	100
3-Nitroaniline	ANT	Ave	64784 1617898	131545	396969	589643	801591	10.0 200	20.0	50.0	80.0	100
Acenaphthene	ANT	Ave	256533 5139457	500687	1373130	2029471	2669723	10.0 200	20.0	50.0	80.0	100
2,4-Dinitrophenol	ANT	QuaF	16757 758242	35470	140964	215597	330899	10.0 200	20.0	50.0	80.0	100
4-Nitrophenol	ANT	Ave	43521 1312270	92933	296013	443559	616370	10.0 200	20.0	50.0	80.0	100
2,4-Dinitrotoluene	ANT	Ave	70203 2033874	147463	482821	711404	983006	10.0 200	20.0	50.0	80.0	100
Dibenzofuran	ANT	Ave	385854 7202277	733757	1993456	2940446	3832013	10.0 200	20.0	50.0	80.0	100
Diethyl phthalate	ANT	Ave	300151 6031604	568236	1620570	2361471	3137616	10.0 200	20.0	50.0	80.0	100
4-Chlorophenyl phenyl ether	ANT	Ave	161692 2962171	303544	829488	1209872	1582603	10.0 200	20.0	50.0	80.0	100
Fluorene	ANT	Ave	317716 5604046	586902	1595335	2318818	3018113	10.0 200	20.0	50.0	80.0	100
4-Nitroaniline	ANT	Ave	67222 1639394	136496	398346	582314	783119	10.0 200	20.0	50.0	80.0	100
4,6-Dinitro-2-methylphenol	PHN	QuaF	27420 1160436	59794	241270	363381	539940	10.0 200	20.0	50.0	80.0	100
N-Nitrosodiphenylamine	PHN	Ave	224933 4561476	436049	1229362	1704225	2400171	10.0 200	20.0	50.0	80.0	100
1,2-Diphenylhydrazine (as Azobenzene)	PHN	Ave	294178 6122028	563680	1597230	2373802	3134991	10.0 200	20.0	50.0	80.0	100
4-Bromophenyl phenyl ether	PHN	Ave	94927 1877489	178221	509558	736872	984767	10.0 200	20.0	50.0	80.0	100
Hexachlorobenzene	PHN	Ave	98900 1902499	187736	524658	746619	998967	10.0 200	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

Analy Batch No.: 267580

SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2013 15:40 Calibration End Date: 02/26/2013 18:01 Calibration ID: 16506

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Atrazine	PHN	Ave	99307 +++++	125554	209310	676218	264707	10.0 +++++	20.0	50.0	80.0	100
Pentachlorophenol	PHN	Ave	1442069 +++++	106112	346637	488731	708736	200 +++++	20.0	50.0	80.0	100
Dinoseb	PHN	QuaF	28563 1555780	69589	303263	466215	721779	200 10.0	20.0	50.0	80.0	100
Phenanthrene	PHN	Ave	460596 8633029	870633	2489701	3587645	4719989	200 10.0	20.0	50.0	80.0	100
Anthracene	PHN	Ave	473873 8567148	888379	2519848	3674067	4735365	200 10.0	20.0	50.0	80.0	100
Carbazole	PHN	Ave	437889 8124112	822862	2354510	3401358	4402322	200 10.0	20.0	50.0	80.0	100
Di-n-butyl phthalate	PHN	Ave	517659 9309747	987722	2858069	4048142	5290429	200 10.0	20.0	50.0	80.0	100
Fluoranthene	PHN	Ave	538141 9593612	1008234	2931750	4105699	5416903	200 10.0	20.0	50.0	80.0	100
Benzidine	CRY	Ave	270197 +++++	262108	543567	1658614	925984	200 10.0	20.0	50.0	80.0	100
Pyrene	CRY	Ave	548346 9623509	1025667	2922419	4049889	5425471	200 10.0	20.0	50.0	80.0	100
Butyl benzyl phthalate	CRY	Ave	218534 4485074	426346	1266473	1747519	2411217	200 10.0	20.0	50.0	80.0	100
3,3'-Dichlorobenzidine	CRY	Ave	197740 3546352	349872	1078597	1472478	1949987	200 10.0	20.0	50.0	80.0	100
Benzo[a]anthracene	CRY	Ave	522178 8685857	983304	2712449	3792993	4886819	200 10.0	20.0	50.0	80.0	100
Bis(2-ethylhexyl) phthalate	CRY	Ave	290688 5396410	569788	1634334	2270174	3021566	200 10.0	20.0	50.0	80.0	100
Chrysene	CRY	Ave	508405 8869676	967152	2704329	3726912	4978723	200 10.0	20.0	50.0	80.0	100
Di-n-octyl phthalate	CRY	Ave	475626 10409261	977634	3089556	4356221	5925378	200 10.0	20.0	50.0	80.0	100
Benzo[b]fluoranthene	PRY	Ave	464832 10543606	991783	2959378	4080614	5386048	200 10.0	20.0	50.0	80.0	100
Benzo[k]fluoranthene	PRY	Ave	548959 9903105	1024724	2898130	3957956	5567050	200 10.0	20.0	50.0	80.0	100
Benzo[a]pyrene	PRY	Ave	431913 9299921	866388	2624015	3631900	4959705	200 10.0	20.0	50.0	80.0	100
Indeno[1,2,3-cd]pyrene	CRY	Ave	511194 11865635	1077044	3258751	4448441	6187859	200 10.0	20.0	50.0	80.0	100
Dibenz(a,h)anthracene	PRY	Ave	438512 9710405	911964	2781064	3751344	5177189	200 10.0	20.0	50.0	80.0	100

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-87318-5 Analy Batch No.: 267580
SDG No.: 68087318-5

Instrument ID: MST GC Column: ZB5 SemiV ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/26/2013 15:40 Calibration End Date: 02/26/2013 18:01 Calibration ID: 16506

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzo[g,h,i]perylene	PRY	Ave	458898 10698070	939323	2862990	3912356	5470484	10.0 200	20.0	50.0	80.0	100
2-Fluorophenol (Surr)	DCB	Ave	135591 2704103	261203	721147	1074534	1296644	10.0 200	20.0	50.0	80.0	100
Phenol-d5 (Surr)	DCB	Ave	170480 3463916	336096	917465	1356400	1701949	10.0 200	20.0	50.0	80.0	100
Nitrobenzene-d5 (Surr)	NPT	Ave	129502 2845747	261018	733719	1076459	1427588	10.0 200	20.0	50.0	80.0	100
2-Fluorobiphenyl	ANT	Ave	297612 5599695	569184	1547144	2296807	2941206	10.0 200	20.0	50.0	80.0	100
2,4,6-Tribromophenol (Surr)	ANT	Ave	39843 924568	77417	237240	337957	467330	10.0 200	20.0	50.0	80.0	100
Terphenyl-d14 (Surr)	CRY	Ave	299170 5510979	553843	1607138	2244587	3007463	10.0 200	20.0	50.0	80.0	100

Curve Type Legend:

Ave = Average ISTD

QuaF = Quadratic ISTD forced zero

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022613D.b/tb2603q.d
Lab Smp Id: ICIS-2993091;BNA080
Inj Date : 26-FEB-2013 15:40
Operator : LEG Inst ID: MST5973.i
Smp Info : ICIS-2993091;BNA080-169
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022613D.b/t-8270D-m.m
Meth Date : 27-Feb-2013 10:45 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 21:18 Cal File: tb2615q.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.148	6.148 (1.000)		378037	40.0000	
	2 1,4-Dioxane	88	2.820	2.820 (0.459)		490620	80.0000	87
	3 Pyridine	79	3.237	3.237 (0.526)		1255304	80.0000	89
	4 N-Nitrosodimethylamine	42	3.178	3.178 (0.517)		534335	80.0000	86
\$	5 2-Fluorophenol	112	4.781	4.781 (0.778)		1074534	80.0000	86
\$	6 Phenol-d5	99	5.774	5.774 (0.939)		1356400	80.0000	84
	7 Aniline	93	5.817	5.817 (0.946)		1576316	80.0000	94
	8 Phenol	94	5.785	5.785 (0.941)		1410198	80.0000	84
	9 Bis(2-chloroethyl)ether	63	5.876	5.876 (0.956)		824808	80.0000	86
10	2-Chlorophenol	128	5.940	5.940 (0.966)		1097191	80.0000	83
11	1,3-Dichlorobenzene	146	6.095	6.095 (0.991)		1244048	80.0000	84
12	1,4-Dichlorobenzene	146	6.164	6.164 (1.003)		1226896	80.0000	85
13	Benzyl Alcohol	108	6.271	6.271 (1.020)		758074	80.0000	86
14	1,2-Dichlorobenzene	146	6.314	6.314 (1.027)		1127935	80.0000	83
15	2-Methylphenol	107	6.378	6.378 (1.037)		859954	80.0000	86
16	bis (2-Chloroisopropyl) ether	45	6.405	6.405 (1.042)		1576747	80.0000	86
17	N-Nitroso-di-n-propylamine	70	6.528	6.528 (1.062)		698263	80.0000	84
18	3&4-Methylphenol	107	6.522	6.522 (1.061)		1179703	80.0000	85
19	Hexachloroethane	117	6.635	6.635 (1.079)		457008	80.0000	85
*	20 Naphthalene-d8	136	7.324	7.324 (1.000)		1499748	40.0000	
\$	21 Nitrobenzene-d5	82	6.672	6.672 (0.911)		1076459	80.0000	85
	22 Nitrobenzene	77	6.688	6.688 (0.913)		1106624	80.0000	85
	23 Isophorone	82	6.902	6.902 (0.942)		2198107	80.0000	86
	24 2-Nitrophenol	139	6.982	6.982 (0.953)		575732	80.0000	86
	25 2,4-Dimethylphenol	122	7.009	7.009 (0.957)		973238	80.0000	89
	26 Bis(2-chloroethoxy)methane	93	7.089	7.089 (0.968)		1256749	80.0000	85

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
27 Benzoic acid	105	7.099	7.099	(0.969)	794542	80.0000	92
28 2,4-Dichlorophenol	162	7.195	7.195	(0.982)	929443	80.0000	85
29 1,2,4-Trichlorobenzene	180	7.276	7.276	(0.993)	1029594	80.0000	84
30 Naphthalene	128	7.345	7.345	(1.003)	3119239	80.0000	85
31 4-Chloroaniline	127	7.382	7.382	(1.008)	1312652	80.0000	88
32 Hexachlorobutadiene	225	7.457	7.457	(1.018)	589181	80.0000	84
33 4-Chloro-3-methylphenol	107	7.805	7.805	(1.066)	945434	80.0000	86
34 2-Methylnaphthalene	142	7.965	7.965	(1.088)	2126213	80.0000	85
35 1-Methylnaphthalene	142	8.061	8.061	(1.101)	2017246	80.0000	85
* 36 Acenaphthene-d10	164	9.103	9.103	(1.000)	928863	40.0000	
37 Hexachlorocyclopentadiene	237	8.125	8.125	(0.893)	683386	80.0000	89
38 2,4,6-Trichlorophenol	196	8.237	8.237	(0.905)	719138	80.0000	87
39 2,4,5-Trichlorophenol	196	8.280	8.280	(0.910)	728881	80.0000	83
\$ 40 2-Fluorobiphenyl	172	8.317	8.317	(0.914)	2296807	80.0000	85
41 2-Chloronaphthalene	162	8.462	8.462	(0.930)	2051141	80.0000	84
42 2-Nitroaniline	65	8.563	8.563	(0.941)	590576	80.0000	86
43 Dimethylphthalate	163	8.750	8.750	(0.961)	2410478	80.0000	84
44 2,6-Dinitrotoluene	165	8.825	8.825	(0.969)	522094	80.0000	88
45 Acenaphthylene	152	8.937	8.937	(0.982)	3278818	80.0000	85
46 3-Nitroaniline	138	9.033	9.033	(0.992)	589643	80.0000	86
47 Acenaphthene	154	9.145	9.145	(1.005)	2029471	80.0000	84
48 2,4-Dinitrophenol	184	9.151	9.151	(1.005)	215597	80.0000	81(Q)
49 4-Nitrophenol	65	9.204	9.204	(1.011)	443559	80.0000	87
50 Dibenzofuran	168	9.348	9.348	(1.027)	2940446	80.0000	84
51 2,4-Dinitrotoluene	165	9.311	9.311	(1.023)	711404	80.0000	88
53 Diethylphthalate	149	9.600	9.600	(1.055)	2361471	80.0000	84
54 Fluorene	166	9.776	9.776	(1.074)	2318818	80.0000	83
55 4-Chlorophenyl-phenylether	204	9.760	9.760	(1.072)	1209872	80.0000	84
56 4-Nitroaniline	138	9.786	9.786	(1.075)	582314	80.0000	85
\$ 57 2,4,6-Tribromophenol	329	10.086	10.086	(1.108)	337957	80.0000	84
* 58 Phenanthrene-d10	188	10.999	10.999	(1.000)	1632556	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.824	9.824	(0.893)	363381	80.0000	82
60 N-Nitrosodiphenylamine	169	9.909	9.909	(0.901)	1704225	80.0000	80
61 1,2-Diphenylhydrazine	77	9.963	9.963	(0.906)	2373802	80.0000	84
62 4-Bromophenyl-phenylether	248	10.396	10.396	(0.945)	736872	80.0000	83
63 Hexachlorobenzene	284	10.502	10.502	(0.955)	746619	80.0000	82
64 Pentachlorophenol	266	10.748	10.748	(0.977)	488731	80.0000	82
65 Phenanthrene	178	11.031	11.031	(1.003)	3587645	80.0000	84
66 Anthracene	178	11.095	11.095	(1.009)	3674067	80.0000	85
67 Carbazole	167	11.298	11.298	(1.027)	3401358	80.0000	84
68 Di-n-Butylphthalate	149	11.758	11.758	(1.069)	4048142	80.0000	84
69 Fluoranthene	202	12.591	12.591	(1.145)	4105699	80.0000	83
70 Benzidine	184	12.757	12.757	(0.885)	1658614	80.0000	120
* 71 Chrysene-d12	240	14.418	14.418	(1.000)	1473249	40.0000	
72 Pyrene	202	12.885	12.885	(0.894)	4049889	80.0000	87
\$ 73 Terphenyl-d14	244	13.083	13.083	(0.907)	2244587	80.0000	87
74 Butylbenzylphthalate	149	13.702	13.702	(0.950)	1747519	80.0000	87

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.370	14.370 (0.997)		1472478	80.0000	88
76 Benzo(a)Anthracene		228	14.408	14.408 (0.999)		3792993	80.0000	87
77 Bis(2-ethylhexyl)phthalate		149	14.418	14.418 (1.000)		2270174	80.0000	88
78 Chrysene		228	14.450	14.450 (1.002)		3726912	80.0000	86
* 79 Perylene-d12		264	16.432	16.432 (1.000)		1792032	40.0000	
80 Di-n-octylphthalate		149	15.230	15.230 (1.056)		4356221	80.0000	92
81 Benzo(b)fluoranthene		252	15.834	15.834 (0.964)		4080614	80.0000	86
82 Benzo(k)fluoranthene		252	15.877	15.877 (0.966)		3957956	80.0000	82
83 Benzo(a)pyrene		252	16.341	16.341 (0.994)		3631900	80.0000	85
84 Indeno(1,2,3-cd)pyrene		276	18.484	18.484 (1.282)		4448441	80.0000	87
85 Dibenzo(a,h)anthracene		278	18.521	18.521 (1.127)		3751344	80.0000	85
86 Benzo(g,h,i)perylene		276	19.114	19.114 (1.163)		3912356	80.0000	84
87 Dinoseb		211	10.983	10.983 (0.999)		466215	80.0000	81
89 Acetophenone		105	6.528	6.528 (0.891)		1338411	80.0000	83
90 Benzaldehyde		77	5.710	5.710 (0.929)		578163	80.0000	70
91 1,1'-Biphenyl		154	8.430	8.430 (0.926)		2751608	80.0000	83
92 Caprolactam		113	7.692	7.692 (1.050)		350399	80.0000	82
93 Atrazine		200	10.593	10.593 (0.963)		676218	80.0000	110
M 88 MethylPhenols,Total		100				2039657	80.0000	170

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: tb2603q.d

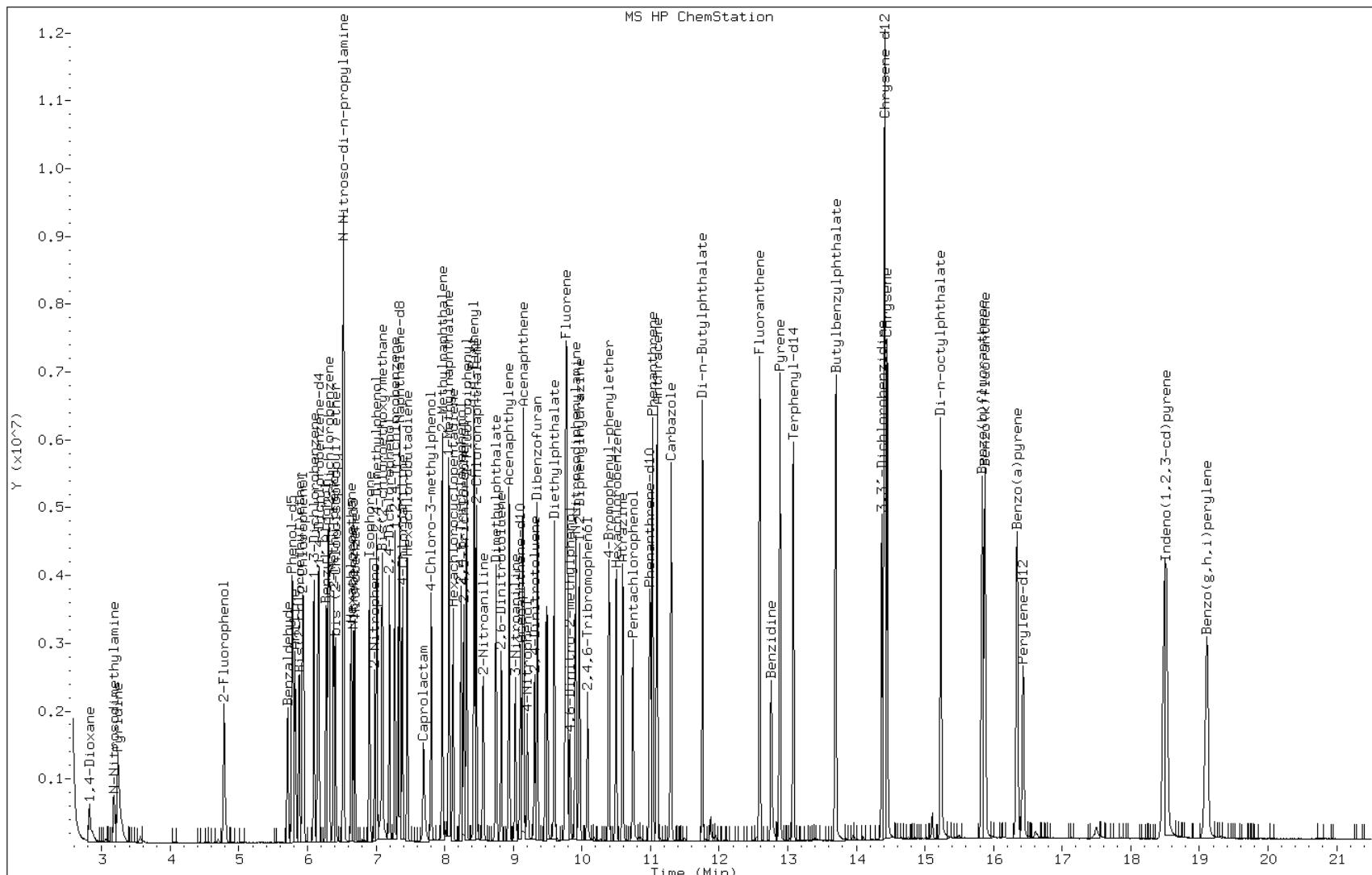
Date: 26-FEB-2013 15:40

Client ID:

Instrument: MST5973.i

Sample Info: ICIS-2993091;BNA080-169

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022613D.b/tb2604q.d
Lab Smp Id: IC-292980642;BNA200
Inj Date : 26-FEB-2013 16:08
Operator : LEG Inst ID: MST5973.i
Smp Info : IC-292980642;BNA200-74
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022613D.b/t-8270D-m.m
Meth Date : 27-Feb-2013 10:38 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 18:58 Cal File: tb2610q.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.148	6.148 (1.000)		411005	40.0000	
	2 1,4-Dioxane	88	2.820	2.820 (0.459)		1196822	200.000	190
	3 Pyridine	79	3.242	3.242 (0.527)		2950521	200.000	190(H)
	4 N-Nitrosodimethylamine	42	3.178	3.178 (0.517)		1376133	200.000	200(A)
\$	5 2-Fluorophenol	112	4.786	4.786 (0.778)		2704103	200.000	200
\$	6 Phenol-d5	99	5.780	5.780 (0.940)		3463916	200.000	200
	7 Aniline	93	5.822	5.822 (0.947)		2973727	200.000	160
	8 Phenol	94	5.796	5.796 (0.943)		3708359	200.000	200(A)
	9 Bis(2-chloroethyl)ether	63	5.887	5.887 (0.957)		2063195	200.000	200
10	2-Chlorophenol	128	5.945	5.945 (0.967)		2704186	200.000	190
11	1,3-Dichlorobenzene	146	6.095	6.095 (0.991)		2980622	200.000	190
12	1,4-Dichlorobenzene	146	6.164	6.164 (1.003)		2960274	200.000	190
13	Benzyl Alcohol	108	6.282	6.282 (1.022)		1930609	200.000	200(A)
14	1,2-Dichlorobenzene	146	6.314	6.314 (1.027)		2668175	200.000	180
15	2-Methylphenol	107	6.383	6.383 (1.038)		2110342	200.000	190
16	bis (2-Chloroisopropyl) ether	45	6.405	6.405 (1.042)		3853246	200.000	190
17	N-Nitroso-di-n-propylamine	70	6.538	6.538 (1.063)		1725038	200.000	190
18	3&4-Methylphenol	107	6.533	6.533 (1.063)		2674743	200.000	180
19	Hexachloroethane	117	6.640	6.640 (1.080)		1140458	200.000	190
*	20 Naphthalene-d8	136	7.329	7.329 (1.000)		1703876	40.0000	
\$	21 Nitrobenzene-d5	82	6.677	6.677 (0.911)		2845747	200.000	200
	22 Nitrobenzene	77	6.693	6.693 (0.913)		2845888	200.000	190
	23 Isophorone	82	6.912	6.912 (0.943)		5506873	200.000	190
	24 2-Nitrophenol	139	6.987	6.987 (0.953)		1551829	200.000	200(A)
	25 2,4-Dimethylphenol	122	7.014	7.014 (0.957)		2347721	200.000	190
	26 Bis(2-chloroethoxy)methane	93	7.094	7.094 (0.968)		3140934	200.000	190

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
27 Benzoic acid	105	7.153	7.153 (0.976)	2413048	200.000	250(AH)	
28 2,4-Dichlorophenol	162	7.201	7.201 (0.983)	2343932	200.000	190	
29 1,2,4-Trichlorobenzene	180	7.276	7.276 (0.993)	2496340	200.000	180	
30 Naphthalene	128	7.350	7.350 (1.003)	7280150	200.000	170	
31 4-Chloroaniline	127	7.388	7.388 (1.008)	3126536	200.000	180	
32 Hexachlorobutadiene	225	7.457	7.457 (1.017)	1451961	200.000	180	
33 4-Chloro-3-methylphenol	107	7.815	7.815 (1.066)	2470885	200.000	200	
34 2-Methylnaphthalene	142	7.970	7.970 (1.087)	5130822	200.000	180	
35 1-Methylnaphthalene	142	8.066	8.066 (1.101)	4842141	200.000	180	
* 36 Acenaphthene-d10	164	9.108	9.108 (1.000)	1095564	40.0000		
37 Hexachlorocyclopentadiene	237	8.125	8.125 (0.892)	1727149	200.000	190	
38 2,4,6-Trichlorophenol	196	8.243	8.243 (0.905)	1832747	200.000	190	
39 2,4,5-Trichlorophenol	196	8.285	8.285 (0.910)	1964111	200.000	190	
\$ 40 2-Fluorobiphenyl	172	8.323	8.323 (0.914)	5599695	200.000	180	
41 2-Chloronaphthalene	162	8.467	8.467 (0.930)	5057296	200.000	180	
42 2-Nitroaniline	65	8.568	8.568 (0.941)	1721291	200.000	210(A)	
43 Dimethylphthalate	163	8.761	8.761 (0.962)	6232084	200.000	180	
44 2,6-Dinitrotoluene	165	8.836	8.836 (0.970)	1459306	200.000	210(A)	
45 Acenaphthylene	152	8.942	8.942 (0.982)	7863641	200.000	170	
46 3-Nitroaniline	138	9.044	9.044 (0.993)	1617898	200.000	200(A)	
47 Acenaphthene	154	9.151	9.151 (1.005)	5139457	200.000	180	
48 2,4-Dinitrophenol	184	9.167	9.167 (1.006)	758242	200.000	200	
49 4-Nitrophenol	65	9.220	9.220 (1.012)	1312270	200.000	220(A)	
50 Dibenzofuran	168	9.359	9.359 (1.028)	7202277	200.000	170	
51 2,4-Dinitrotoluene	165	9.322	9.322 (1.023)	2033874	200.000	210(A)	
53 Diethylphthalate	149	9.610	9.610 (1.055)	6031604	200.000	180	
54 Fluorene	166	9.786	9.786 (1.074)	5604046	200.000	170	
55 4-Chlorophenyl-phenylether	204	9.765	9.765 (1.072)	2962171	200.000	170	
56 4-Nitroaniline	138	9.808	9.808 (1.077)	1639394	200.000	200(A)	
\$ 57 2,4,6-Tribromophenol	329	10.091	10.091 (1.108)	924568	200.000	200	
* 58 Phenanthrene-d10	188	11.004	11.004 (1.000)	1814392	40.0000		
59 4,6-Dinitro-2-methylphenol	198	9.840	9.840 (0.894)	1160436	200.000	200	
60 N-Nitrosodiphenylamine	169	9.920	9.920 (0.901)	4561476	200.000	190	
61 1,2-Diphenylhydrazine	77	9.973	9.973 (0.906)	6122028	200.000	200	
62 4-Bromophenyl-phenylether	248	10.401	10.401 (0.945)	1877489	200.000	190	
63 Hexachlorobenzene	284	10.508	10.508 (0.955)	1902499	200.000	190	
64 Pentachlorophenol	266	10.753	10.753 (0.977)	1442069	200.000	220(A)	
65 Phenanthrene	178	11.037	11.037 (1.003)	8633029	200.000	180	
66 Anthracene	178	11.106	11.106 (1.009)	8567148	200.000	180	
67 Carbazole	167	11.309	11.309 (1.028)	8124112	200.000	180	
68 Di-n-Butylphthalate	149	11.763	11.763 (1.069)	9309747	200.000	170	
69 Fluoranthene	202	12.602	12.602 (1.145)	9593612	200.000	180	
70 Benzidine	184	12.762	12.762 (0.884)	1372972	200.000	90	
* 71 Chrysene-d12	240	14.429	14.429 (1.000)	1563990	40.0000		
72 Pyrene	202	12.896	12.896 (0.894)	9623509	200.000	190	
\$ 73 Terphenyl-d14	244	13.088	13.088 (0.907)	5510979	200.000	200(A)	
74 Butylbenzylphthalate	149	13.708	13.708 (0.950)	4485074	200.000	210(A)	

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.381	14.381 (0.997)		3546352	200.000	200
76 Benzo(a)Anthracene		228	14.413	14.413 (0.999)		8685857	200.000	190
77 Bis(2-ethylhexyl)phthalate		149	14.424	14.424 (1.000)		5396410	200.000	200
78 Chrysene		228	14.466	14.466 (1.003)		8869676	200.000	190
* 79 Perylene-d12		264	16.438	16.438 (1.000)		2139019	40.0000	
80 Di-n-octylphthalate		149	15.236	15.236 (1.056)		10409261	200.000	210(A)
81 Benzo(b)fluoranthene		252	15.850	15.850 (0.964)		10543606	200.000	190
82 Benzo(k)fluoranthene		252	15.893	15.893 (0.967)		9903105	200.000	170(H)
83 Benzo(a)pyrene		252	16.363	16.363 (0.995)		9299921	200.000	180
84 Indeno(1,2,3-cd)pyrene		276	18.516	18.516 (1.283)		11865635	200.000	220(A)
85 Dibenzo(a,h)anthracene		278	18.558	18.558 (1.129)		9710405	200.000	180
86 Benzo(g,h,i)perylene		276	19.157	19.157 (1.165)		10698070	200.000	190
87 Dinoseb		211	10.994	10.994 (0.999)		1555780	200.000	200
89 Acetophenone		105	6.533	6.533 (0.891)		3042552	200.000	170
90 Benzaldehyde		77	5.710	5.710 (0.929)		415461	200.000	47
91 1,1-Biphenyl		154	8.435	8.435 (0.926)		6462336	200.000	170
92 Caprolactam		113	7.730	7.730 (1.055)		965780	200.000	200(H)
93 Atrazine		200	10.598	10.598 (0.963)		370393	200.000	54
M 88 MethylPhenols,Total		100				4785085	200.000	370

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: tb2604q.d

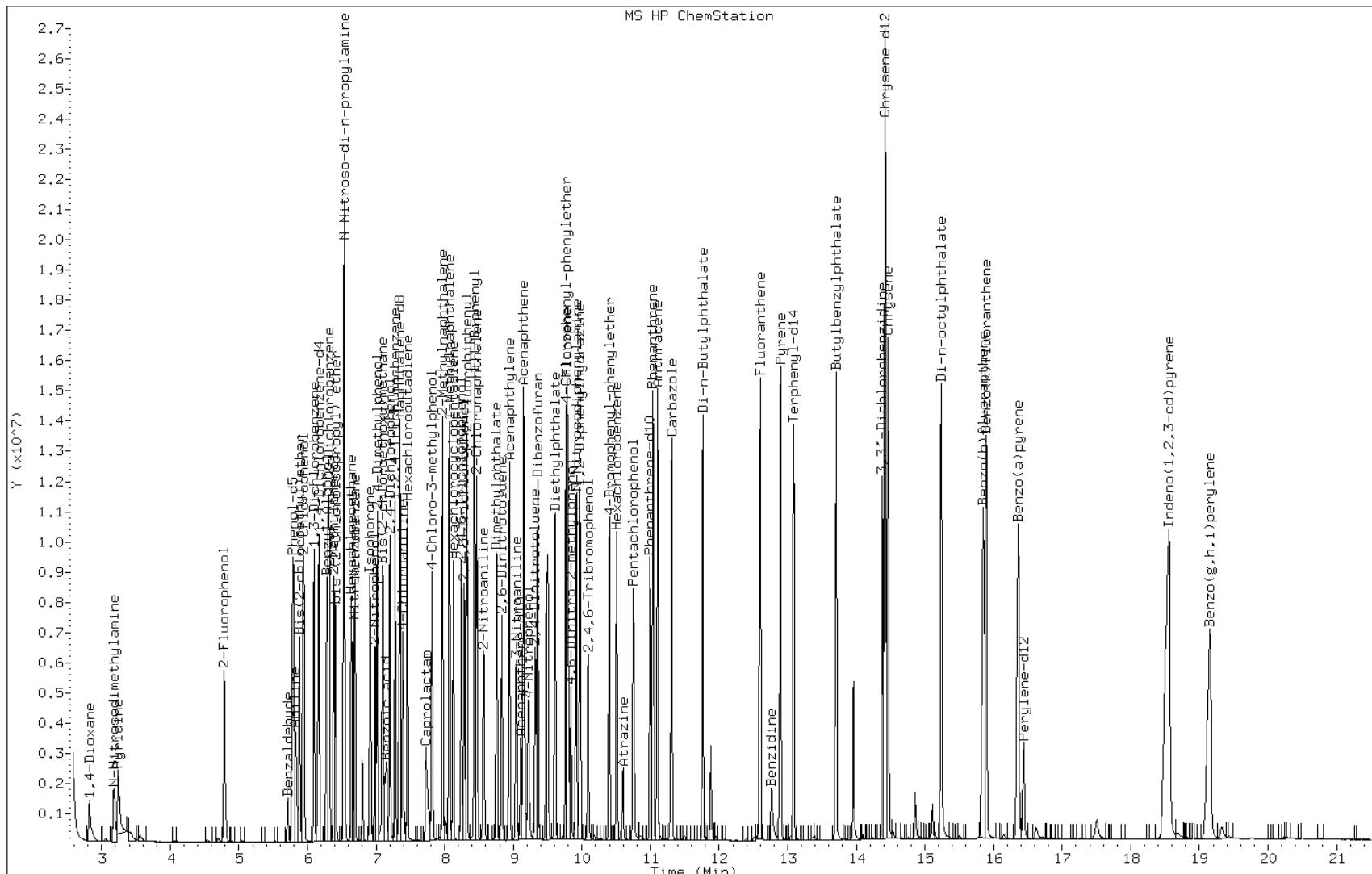
Date: 26-FEB-2013 16:08

Client ID:

Instrument: MST5973.i

Sample Info: IC-292980642; BNA200-74

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022613D.b/tb2605q.d
Lab Smp Id: IC-2980643;BNA100-6
Inj Date : 26-FEB-2013 16:36
Operator : LEG Inst ID: MST5973.i
Smp Info : IC-2980643;BNA100-68
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022613D.b/t-8270D-m.m
Meth Date : 27-Feb-2013 10:38 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 19:26 Cal File: tb2611q.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.148	6.148 (1.000)		413613	40.0000	
	2 1,4-Dioxane	88	2.820	2.820 (0.459)		567407	100.000	92
	3 Pyridine	79	3.237	3.237 (0.526)		1492561	100.000	96(H)
	4 N-Nitrosodimethylamine	42	3.173	3.173 (0.516)		647598	100.000	95
\$	5 2-Fluorophenol	112	4.781	4.781 (0.778)		1296644	100.000	94
\$	6 Phenol-d5	99	5.774	5.774 (0.939)		1701949	100.000	97
	7 Aniline	93	5.817	5.817 (0.946)		1575441	100.000	86
	8 Phenol	94	5.790	5.790 (0.942)		1748670	100.000	96
	9 Bis(2-chloroethyl)ether	63	5.876	5.876 (0.956)		1006563	100.000	95
10	2-Chlorophenol	128	5.940	5.940 (0.966)		1371012	100.000	95
11	1,3-Dichlorobenzene	146	6.095	6.095 (0.991)		1516961	100.000	94
12	1,4-Dichlorobenzene	146	6.164	6.164 (1.003)		1487809	100.000	94
13	Benzyl Alcohol	108	6.277	6.277 (1.021)		940109	100.000	98
14	1,2-Dichlorobenzene	146	6.314	6.314 (1.027)		1376335	100.000	93
15	2-Methylphenol	107	6.378	6.378 (1.037)		1063506	100.000	97
16	bis (2-Chloroisopropyl) ether	45	6.405	6.405 (1.042)		1948881	100.000	97
17	N-Nitroso-di-n-propylamine	70	6.528	6.528 (1.062)		885293	100.000	97
18	3&4-Methylphenol	107	6.522	6.522 (1.061)		1449662	100.000	95
19	Hexachloroethane	117	6.634	6.634 (1.079)		563321	100.000	95
*	20 Naphthalene-d8	136	7.329	7.329 (1.000)		1725973	40.0000	
\$	21 Nitrobenzene-d5	82	6.672	6.672 (0.910)		1427588	100.000	97
	22 Nitrobenzene	77	6.688	6.688 (0.913)		1410112	100.000	95
	23 Isophorone	82	6.902	6.902 (0.942)		2780599	100.000	95
	24 2-Nitrophenol	139	6.982	6.982 (0.953)		756002	100.000	98
	25 2,4-Dimethylphenol	122	7.008	7.008 (0.956)		1116771	100.000	89
	26 Bis(2-chloroethoxy)methane	93	7.094	7.094 (0.968)		1583130	100.000	93

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid	105	7.115	7.115	(0.971)	1.000	1091611	100.000	110
28 2,4-Dichlorophenol	162	7.195	7.195	(0.982)	1.000	1193257	100.000	95
29 1,2,4-Trichlorobenzene	180	7.276	7.276	(0.993)	1.000	1303646	100.000	92
30 Naphthalene	128	7.345	7.345	(1.002)	1.000	3943220	100.000	93
31 4-Chloroaniline	127	7.388	7.388	(1.008)	1.000	1597509	100.000	93
32 Hexachlorobutadiene	225	7.457	7.457	(1.017)	1.000	743458	100.000	92
33 4-Chloro-3-methylphenol	107	7.804	7.804	(1.065)	1.000	1222329	100.000	96
34 2-Methylnaphthalene	142	7.965	7.965	(1.087)	1.000	2705247	100.000	93
35 1-Methylnaphthalene	142	8.061	8.061	(1.100)	1.000	2557094	100.000	94
* 36 Acenaphthene-d10	164	9.103	9.103	(1.000)	1.000	1101205	40.0000	
37 Hexachlorocyclopentadiene	237	8.125	8.125	(0.893)	1.000	875870	100.000	96
38 2,4,6-Trichlorophenol	196	8.237	8.237	(0.905)	1.000	914335	100.000	93
39 2,4,5-Trichlorophenol	196	8.280	8.280	(0.910)	1.000	984393	100.000	94
\$ 40 2-Fluorobiphenyl	172	8.323	8.323	(0.914)	1.000	2941206	100.000	92
41 2-Chloronaphthalene	162	8.467	8.467	(0.930)	1.000	2639659	100.000	91
42 2-Nitroaniline	65	8.563	8.563	(0.941)	1.000	821108	100.000	100
43 Dimethylphthalate	163	8.750	8.750	(0.961)	1.000	3193669	100.000	94
44 2,6-Dinitrotoluene	165	8.830	8.830	(0.970)	1.000	709741	100.000	100
45 Acenaphthylene	152	8.937	8.937	(0.982)	1.000	4264590	100.000	94
46 3-Nitroaniline	138	9.033	9.033	(0.992)	1.000	801591	100.000	99
47 Acenaphthene	154	9.145	9.145	(1.005)	1.000	2669723	100.000	94
48 2,4-Dinitrophenol	184	9.156	9.156	(1.006)	1.000	330899	100.000	100
49 4-Nitrophenol	65	9.209	9.209	(1.012)	1.000	616370	100.000	100
50 Dibenzofuran	168	9.354	9.354	(1.028)	1.000	3832013	100.000	92
51 2,4-Dinitrotoluene	165	9.311	9.311	(1.023)	1.000	983006	100.000	100
53 Diethylphthalate	149	9.599	9.599	(1.055)	1.000	3137616	100.000	94
54 Fluorene	166	9.781	9.781	(1.075)	1.000	3018113	100.000	91
55 4-Chlorophenyl-phenylether	204	9.760	9.760	(1.072)	1.000	1582603	100.000	92
56 4-Nitroaniline	138	9.792	9.792	(1.076)	1.000	783119	100.000	96
\$ 57 2,4,6-Tribromophenol	329	10.086	10.086	(1.108)	1.000	467330	100.000	98
* 58 Phenanthrene-d10	188	10.999	10.999	(1.000)	1.000	1931775	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.829	9.829	(0.894)	1.000	539940	100.000	100
60 N-Nitrosodiphenylamine	169	9.909	9.909	(0.901)	1.000	2400171	100.000	95
61 1,2-Diphenylhydrazine	77	9.968	9.968	(0.906)	1.000	3134991	100.000	94
62 4-Bromophenyl-phenylether	248	10.395	10.395	(0.945)	1.000	984767	100.000	94
63 Hexachlorobenzene	284	10.502	10.502	(0.955)	1.000	998967	100.000	92
64 Pentachlorophenol	266	10.748	10.748	(0.977)	1.000	708736	100.000	100
65 Phenanthrene	178	11.031	11.031	(1.003)	1.000	4719989	100.000	93
66 Anthracene	178	11.101	11.101	(1.009)	1.000	4735365	100.000	92
67 Carbazole	167	11.304	11.304	(1.028)	1.000	4402322	100.000	92
68 Di-n-Butylphthalate	149	11.758	11.758	(1.069)	1.000	5290429	100.000	93
69 Fluoranthene	202	12.596	12.596	(1.145)	1.000	5416903	100.000	93
70 Benzidine	184	12.757	12.757	(0.884)	1.000	925984	100.000	54
* 71 Chrysene-d12	240	14.423	14.423	(1.000)	1.000	1746337	40.0000	
72 Pyrene	202	12.890	12.890	(0.894)	1.000	5425471	100.000	98
\$ 73 Terphenyl-d14	244	13.083	13.083	(0.907)	1.000	3007463	100.000	98
74 Butylbenzylphthalate	149	13.702	13.702	(0.950)	1.000	2411217	100.000	100

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.375	14.375 (0.997)		1949987	100.000	98
76 Benzo(a)Anthracene		228	14.407	14.407 (0.999)		4886819	100.000	95
77 Bis(2-ethylhexyl)phthalate		149	14.423	14.423 (1.000)		3021566	100.000	99
78 Chrysene		228	14.455	14.455 (1.002)		4978723	100.000	97
* 79 Perylene-d12		264	16.437	16.437 (1.000)		2182299	40.0000	
80 Di-n-octylphthalate		149	15.230	15.230 (1.056)		5925378	100.000	110
81 Benzo(b)fluoranthene		252	15.839	15.839 (0.964)		5386048	100.000	93
82 Benzo(k)fluoranthene		252	15.882	15.882 (0.966)		5567050	100.000	94
83 Benzo(a)pyrene		252	16.347	16.347 (0.994)		4959705	100.000	96
84 Indeno(1,2,3-cd)pyrene		276	18.500	18.500 (1.283)		6187859	100.000	100
85 Dibenzo(a,h)anthracene		278	18.532	18.532 (1.127)		5177189	100.000	96
86 Benzo(g,h,i)perylene		276	19.130	19.130 (1.164)		5470484	100.000	97
87 Dinoseb		211	10.983	10.983 (0.999)		721779	100.000	100
89 Acetophenone		105	6.528	6.528 (0.891)		1624103	100.000	87
90 Benzaldehyde		77	5.710	5.710 (0.929)		512757	100.000	57
91 1,1'-Biphenyl		154	8.429	8.429 (0.926)		3485710	100.000	89
92 Caprolactam		113	7.698	7.698 (1.050)		484924	100.000	98
93 Atrazine		200	10.593	10.593 (0.963)		264707	100.000	36
M 88 MethylPhenols,Total		100				2513168	100.000	190

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: tb2605q.d

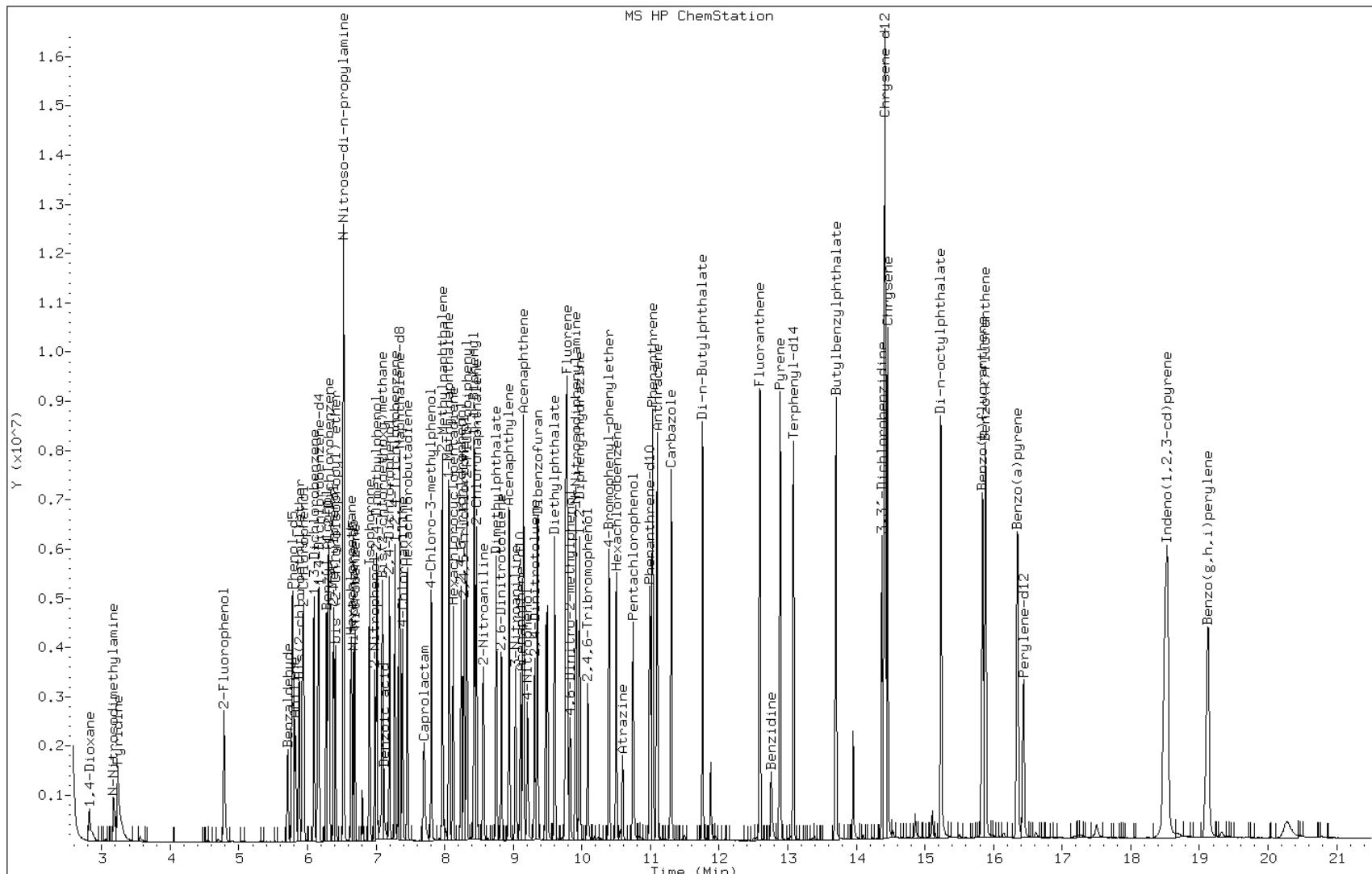
Date: 26-FEB-2013 16:36

Client ID:

Instrument: MST5973.i

Sample Info: IC-2980643;BNA100-68

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022613D.b/tb2606q.d
Lab Smp Id: IC;2980648-BNA050-6
Inj Date : 26-FEB-2013 17:05
Operator : LEG Inst ID: MST5973.i
Smp Info : IC;2980648-BNA050-67
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022613D.b/t-8270D-m.m
Meth Date : 27-Feb-2013 10:38 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 20:22 Cal File: tb2613q.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.148	6.148 (1.000)		450898	40.0000	
	2 1,4-Dioxane	88	2.820	2.820 (0.459)		319962	50.0000	47
	3 Pyridine	79	3.237	3.237 (0.526)		805591	50.0000	48(H)
	4 N-Nitrosodimethylamine	42	3.178	3.178 (0.517)		357682	50.0000	48
\$	5 2-Fluorophenol	112	4.781	4.781 (0.778)		721147	50.0000	48
\$	6 Phenol-d5	99	5.769	5.769 (0.938)		917465	50.0000	48
	7 Aniline	93	5.817	5.817 (0.946)		923592	50.0000	46
	8 Phenol	94	5.785	5.785 (0.941)		942363	50.0000	47
	9 Bis(2-chloroethyl)ether	63	5.876	5.876 (0.956)		549192	50.0000	48
10	2-Chlorophenol	128	5.940	5.940 (0.966)		764509	50.0000	49
11	1,3-Dichlorobenzene	146	6.095	6.095 (0.991)		856388	50.0000	49
12	1,4-Dichlorobenzene	146	6.164	6.164 (1.003)		835266	50.0000	48
13	Benzyl Alcohol	108	6.271	6.271 (1.020)		499532	50.0000	48
14	1,2-Dichlorobenzene	146	6.314	6.314 (1.027)		782903	50.0000	48
15	2-Methylphenol	107	6.378	6.378 (1.037)		562891	50.0000	47
16	bis (2-Chloroisopropyl) ether	45	6.405	6.405 (1.042)		1045723	50.0000	48
17	N-Nitroso-di-n-propylamine	70	6.522	6.522 (1.061)		477747	50.0000	48
18	3&4-Methylphenol	107	6.522	6.522 (1.061)		800036	50.0000	48
19	Hexachloroethane	117	6.634	6.634 (1.079)		312862	50.0000	49
*	20 Naphthalene-d8	136	7.324	7.324 (1.000)		1754509	40.0000	
\$	21 Nitrobenzene-d5	82	6.667	6.667 (0.910)		733719	50.0000	49
	22 Nitrobenzene	77	6.688	6.688 (0.913)		740559	50.0000	49
	23 Isophorone	82	6.902	6.902 (0.942)		1434028	50.0000	48
	24 2-Nitrophenol	139	6.982	6.982 (0.953)		386928	50.0000	49
	25 2,4-Dimethylphenol	122	7.008	7.008 (0.957)		616757	50.0000	48
	26 Bis(2-chloroethoxy)methane	93	7.089	7.089 (0.968)		833069	50.0000	48

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
27 Benzoic acid	105	7.083	7.083 (0.967)		409986	50.0000	41(H)
28 2,4-Dichlorophenol	162	7.195	7.195 (0.982)		619081	50.0000	49
29 1,2,4-Trichlorobenzene	180	7.276	7.276 (0.993)		705833	50.0000	49
30 Naphthalene	128	7.345	7.345 (1.003)		2114117	50.0000	49
31 4-Chloroaniline	127	7.382	7.382 (1.008)		836978	50.0000	48
32 Hexachlorobutadiene	225	7.457	7.457 (1.018)		405265	50.0000	49
33 4-Chloro-3-methylphenol	107	7.799	7.799 (1.065)		619754	50.0000	48
34 2-Methylnaphthalene	142	7.965	7.965 (1.088)		1448212	50.0000	49
35 1-Methylnaphthalene	142	8.061	8.061 (1.101)		1340842	50.0000	48
* 36 Acenaphthene-d10	164	9.103	9.103 (1.000)		1078399	40.0000	
37 Hexachlorocyclopentadiene	237	8.125	8.125 (0.893)		445877	50.0000	50
38 2,4,6-Trichlorophenol	196	8.237	8.237 (0.905)		458302	50.0000	48
39 2,4,5-Trichlorophenol	196	8.275	8.275 (0.909)		503649	50.0000	49
\$ 40 2-Fluorobiphenyl	172	8.317	8.317 (0.914)		1547144	50.0000	49
41 2-Chloronaphthalene	162	8.462	8.462 (0.930)		1393917	50.0000	49
42 2-Nitroaniline	65	8.558	8.558 (0.940)		392394	50.0000	49
43 Dimethylphthalate	163	8.750	8.750 (0.961)		1636132	50.0000	49
44 2,6-Dinitrotoluene	165	8.825	8.825 (0.969)		349948	50.0000	51
45 Acenaphthylene	152	8.937	8.937 (0.982)		2209572	50.0000	50
46 3-Nitroaniline	138	9.028	9.028 (0.992)		396969	50.0000	50
47 Acenaphthene	154	9.145	9.145 (1.005)		1373130	50.0000	49
48 2,4-Dinitrophenol	184	9.151	9.151 (1.005)		140964	50.0000	47
49 4-Nitrophenol	65	9.204	9.204 (1.011)		296013	50.0000	50
50 Dibenzofuran	168	9.348	9.348 (1.027)		1993456	50.0000	49
51 2,4-Dinitrotoluene	165	9.306	9.306 (1.022)		482821	50.0000	51
53 Diethylphthalate	149	9.599	9.599 (1.055)		1620570	50.0000	50
54 Fluorene	166	9.776	9.776 (1.074)		1595335	50.0000	49
55 4-Chlorophenyl-phenylether	204	9.760	9.760 (1.072)		829488	50.0000	49
56 4-Nitroaniline	138	9.781	9.781 (1.075)		398346	50.0000	50
\$ 57 2,4,6-Tribromophenol	329	10.086	10.086 (1.108)		237240	50.0000	51
* 58 Phenanthrene-d10	188	10.994	10.994 (1.000)		1923498	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.824	9.824 (0.894)		241270	50.0000	48
60 N-Nitrosodiphenylamine	169	9.909	9.909 (0.901)		1229362	50.0000	49
61 1,2-Diphenylhydrazine	77	9.963	9.963 (0.906)		1597230	50.0000	48
62 4-Bromophenyl-phenylether	248	10.395	10.395 (0.946)		509558	50.0000	49
63 Hexachlorobenzene	284	10.502	10.502 (0.955)		524658	50.0000	49
64 Pentachlorophenol	266	10.748	10.748 (0.978)		346637	50.0000	49
65 Phenanthrene	178	11.026	11.026 (1.003)		2489701	50.0000	49
66 Anthracene	178	11.095	11.095 (1.009)		2519848	50.0000	49
67 Carbazole	167	11.298	11.298 (1.028)		2354510	50.0000	49
68 Di-n-Butylphthalate	149	11.758	11.758 (1.069)		2858069	50.0000	51
69 Fluoranthene	202	12.591	12.591 (1.145)		2931750	50.0000	51
70 Benzidine	184	12.757	12.757 (0.885)		543567	50.0000	29
* 71 Chrysene-d12	240	14.418	14.418 (1.000)		1892141	40.0000	
72 Pyrene	202	12.885	12.885 (0.894)		2922419	50.0000	49
\$ 73 Terphenyl-d14	244	13.083	13.083 (0.907)		1607138	50.0000	49
74 Butylbenzylphthalate	149	13.702	13.702 (0.950)		1266473	50.0000	49

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
75 3,3'-Dichlorobenzidine	252	14.370	14.370 (0.997)	1078597	50.0000	50	
76 Benzo(a)Anthracene	228	14.402	14.402 (0.999)	2712449	50.0000	49	
77 Bis(2-ethylhexyl)phthalate	149	14.418	14.418 (1.000)	1634334	50.0000	49	
78 Chrysene	228	14.450	14.450 (1.002)	2704329	50.0000	49	
* 79 Perylene-d12	264	16.432	16.432 (1.000)	2202336	40.0000		
80 Di-n-octylphthalate	149	15.230	15.230 (1.056)	3089556	50.0000	51	
81 Benzo(b)fluoranthene	252	15.834	15.834 (0.964)	2959378	50.0000	51	
82 Benzo(k)fluoranthene	252	15.871	15.871 (0.966)	2898130	50.0000	49	
83 Benzo(a)pyrene	252	16.341	16.341 (0.994)	2624015	50.0000	50	
84 Indeno(1,2,3-cd)pyrene	276	18.484	18.484 (1.282)	3258751	50.0000	50	
85 Dibenzo(a,h)anthracene	278	18.516	18.516 (1.127)	2781064	50.0000	51	
86 Benzo(g,h,i)perylene	276	19.109	19.109 (1.163)	2862990	50.0000	50	
87 Dinoseb	211	10.983	10.983 (0.999)	303263	50.0000	46	
89 Acetophenone	105	6.522	6.522 (0.891)	906571	50.0000	48	
90 Benzaldehyde	77	5.710	5.710 (0.929)	418358	50.0000	43	
91 1,1'-Biphenyl	154	8.429	8.429 (0.926)	1842946	50.0000	48	
92 Caprolactam	113	7.682	7.682 (1.049)	239922	50.0000	48	
93 Atrazine	200	10.588	10.588 (0.963)	209310	50.0000	29	
M 88 MethylPhenols,Total	100			1362927	50.0000	95	

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: tb2606q.d

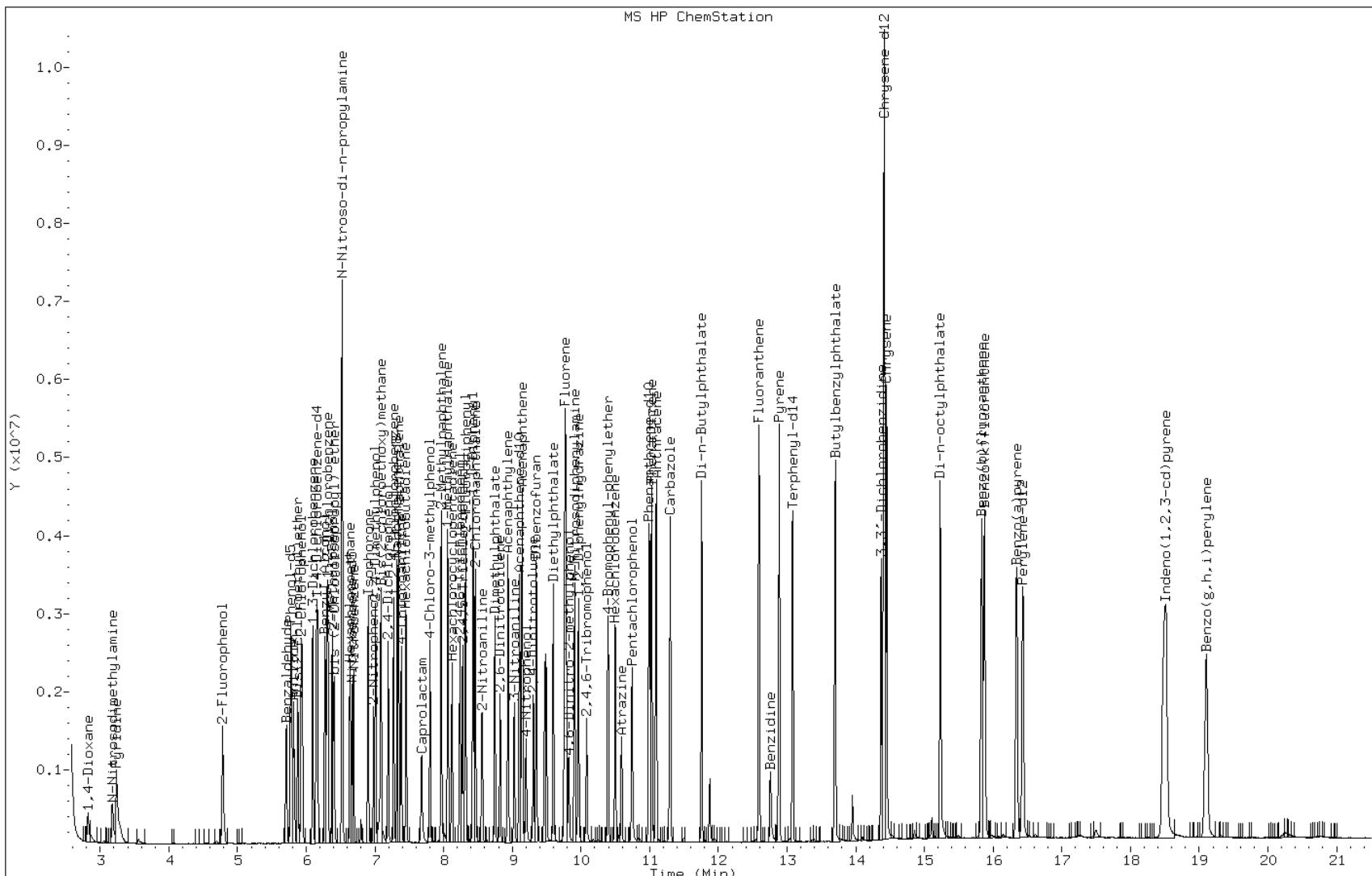
Date: 26-FEB-2013 17:05

Client ID:

Instrument: MST5973.i

Sample Info: IC;2980648-BNA050-67

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022613D.b/tb2607q.d
Lab Smp Id: IC-2980649;BNA020-6
Inj Date : 26-FEB-2013 17:33
Operator : LEG Inst ID: MST5973.i
Smp Info : IC-2980649;BNA020-63
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022613D.b/t-8270D-m.m
Meth Date : 27-Feb-2013 10:38 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 20:50 Cal File: tb2614q.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.148	6.148 (1.000)		402506	40.0000	
	2 1,4-Dioxane	88	2.826	2.826 (0.460)		121589	20.0000	20
	3 Pyridine	79	3.242	3.242 (0.527)		291916	20.0000	19(H)
	4 N-Nitrosodimethylamine	42	3.178	3.178 (0.517)		128358	20.0000	19
\$	5 2-Fluorophenol	112	4.781	4.781 (0.778)		261203	20.0000	20
\$	6 Phenol-d5	99	5.769	5.769 (0.938)		336096	20.0000	20
	7 Aniline	93	5.817	5.817 (0.946)		376103	20.0000	21
	8 Phenol	94	5.780	5.780 (0.940)		345059	20.0000	19
	9 Bis(2-chloroethyl)ether	63	5.876	5.876 (0.956)		201740	20.0000	20
10	2-Chlorophenol	128	5.940	5.940 (0.966)		286137	20.0000	20
11	1,3-Dichlorobenzene	146	6.095	6.095 (0.991)		316055	20.0000	20
12	1,4-Dichlorobenzene	146	6.164	6.164 (1.003)		311432	20.0000	20
13	Benzyl Alcohol	108	6.271	6.271 (1.020)		177698	20.0000	19
14	1,2-Dichlorobenzene	146	6.314	6.314 (1.027)		298334	20.0000	21
15	2-Methylphenol	107	6.378	6.378 (1.037)		208781	20.0000	20
16	bis (2-Chloroisopropyl) ether	45	6.405	6.405 (1.042)		389684	20.0000	20
17	N-Nitroso-di-n-propylamine	70	6.522	6.522 (1.061)		178459	20.0000	20
18	3&4-Methylphenol	107	6.517	6.517 (1.060)		304810	20.0000	21
19	Hexachloroethane	117	6.635	6.635 (1.079)		114043	20.0000	20
*	20 Naphthalene-d8	136	7.324	7.324 (1.000)		1571228	40.0000	
\$	21 Nitrobenzene-d5	82	6.667	6.667 (0.910)		261018	20.0000	20
	22 Nitrobenzene	77	6.683	6.683 (0.912)		268147	20.0000	20
	23 Isophorone	82	6.902	6.902 (0.942)		528428	20.0000	20
	24 2-Nitrophenol	139	6.982	6.982 (0.953)		131766	20.0000	19
	25 2,4-Dimethylphenol	122	7.009	7.009 (0.957)		215842	20.0000	19
	26 Bis(2-chloroethoxy)methane	93	7.089	7.089 (0.968)		311675	20.0000	20

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
27 Benzoic acid	105	7.057	7.057	(0.964)	1.60454	20.0000	18
28 2,4-Dichlorophenol	162	7.190	7.190	(0.982)	2.25938	20.0000	20
29 1,2,4-Trichlorobenzene	180	7.270	7.270	(0.993)	2.63704	20.0000	21
30 Naphthalene	128	7.345	7.345	(1.003)	7.92343	20.0000	21
31 4-Chloroaniline	127	7.383	7.383	(1.008)	3.14618	20.0000	20
32 Hexachlorobutadiene	225	7.457	7.457	(1.018)	1.49509	20.0000	20
33 4-Chloro-3-methylphenol	107	7.799	7.799	(1.065)	2.24862	20.0000	19
34 2-Methylnaphthalene	142	7.965	7.965	(1.088)	5.33696	20.0000	20
35 1-Methylnaphthalene	142	8.061	8.061	(1.101)	5.06428	20.0000	20
* 36 Acenaphthene-d10	164	9.103	9.103	(1.000)	9.33449	40.0000	
37 Hexachlorocyclopentadiene	237	8.125	8.125	(0.893)	1.52094	20.0000	20
38 2,4,6-Trichlorophenol	196	8.232	8.232	(0.904)	1.67272	20.0000	20
39 2,4,5-Trichlorophenol	196	8.269	8.269	(0.908)	1.81700	20.0000	20
\$ 40 2-Fluorobiphenyl	172	8.317	8.317	(0.914)	5.69184	20.0000	21
41 2-Chloronaphthalene	162	8.462	8.462	(0.930)	5.16259	20.0000	21
42 2-Nitroaniline	65	8.558	8.558	(0.940)	1.26760	20.0000	18
43 Dimethylphthalate	163	8.745	8.745	(0.961)	5.84863	20.0000	20
44 2,6-Dinitrotoluene	165	8.820	8.820	(0.969)	1.11354	20.0000	19
45 Acenaphthylene	152	8.937	8.937	(0.982)	7.95018	20.0000	21
46 3-Nitroaniline	138	9.028	9.028	(0.992)	1.31545	20.0000	19
47 Acenaphthene	154	9.140	9.140	(1.004)	5.00687	20.0000	21
48 2,4-Dinitrophenol	184	9.145	9.145	(1.005)	3.5470	20.0000	14
49 4-Nitrophenol	65	9.194	9.194	(1.010)	9.2933	20.0000	18
50 Dibenzofuran	168	9.348	9.348	(1.027)	7.33757	20.0000	21
51 2,4-Dinitrotoluene	165	9.306	9.306	(1.022)	1.47463	20.0000	18
53 Diethylphthalate	149	9.594	9.594	(1.054)	5.68236	20.0000	20
54 Fluorene	166	9.776	9.776	(1.074)	5.86902	20.0000	21
55 4-Chlorophenyl-phenylether	204	9.760	9.760	(1.072)	3.03544	20.0000	21
56 4-Nitroaniline	138	9.776	9.776	(1.074)	1.36496	20.0000	20
\$ 57 2,4,6-Tribromophenol	329	10.080	10.080	(1.107)	7.7417	20.0000	19
* 58 Phenanthrene-d10	188	10.994	10.994	(1.000)	1.624487	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.819	9.819	(0.893)	5.9794	20.0000	15
60 N-Nitrosodiphenylamine	169	9.904	9.904	(0.901)	4.36049	20.0000	21
61 1,2-Diphenylhydrazine	77	9.963	9.963	(0.906)	5.63680	20.0000	20
62 4-Bromophenyl-phenylether	248	10.396	10.396	(0.946)	1.78221	20.0000	20
63 Hexachlorobenzene	284	10.497	10.497	(0.955)	1.87736	20.0000	21
64 Pentachlorophenol	266	10.743	10.743	(0.977)	1.06112	20.0000	18
65 Phenanthrene	178	11.026	11.026	(1.003)	8.70633	20.0000	20
66 Anthracene	178	11.090	11.090	(1.009)	8.88379	20.0000	21
67 Carbazole	167	11.298	11.298	(1.028)	8.22862	20.0000	20
68 Di-n-Butylphthalate	149	11.758	11.758	(1.069)	9.87722	20.0000	21
69 Fluoranthene	202	12.586	12.586	(1.145)	1.008234	20.0000	21
70 Benzidine	184	12.757	12.757	(0.885)	2.62108	20.0000	16
* 71 Chrysene-d12	240	14.418	14.418	(1.000)	1.701293	40.0000	
72 Pyrene	202	12.885	12.885	(0.894)	1.025667	20.0000	19
\$ 73 Terphenyl-d14	244	13.077	13.077	(0.907)	5.53843	20.0000	19
74 Butylbenzylphthalate	149	13.702	13.702	(0.950)	4.26346	20.0000	18

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.365	14.365 (0.996)		349872	20.0000	18
76 Benzo(a)Anthracene		228	14.402	14.402 (0.999)		983304	20.0000	20
77 Bis(2-ethylhexyl)phthalate		149	14.418	14.418 (1.000)		569788	20.0000	19
78 Chrysene		228	14.445	14.445 (1.002)		967152	20.0000	19
* 79 Perylene-d12		264	16.432	16.432 (1.000)		1824765	40.0000	
80 Di-n-octylphthalate		149	15.230	15.230 (1.056)		977634	20.0000	18
81 Benzo(b)fluoranthene		252	15.829	15.829 (0.963)		991783	20.0000	21
82 Benzo(k)fluoranthene		252	15.866	15.866 (0.966)		1024724	20.0000	21
83 Benzo(a)pyrene		252	16.336	16.336 (0.994)		866388	20.0000	20
84 Indeno(1,2,3-cd)pyrene		276	18.473	18.473 (1.281)		1077044	20.0000	18
85 Dibenzo(a,h)anthracene		278	18.505	18.505 (1.126)		911964	20.0000	20
86 Benzo(g,h,i)perylene		276	19.087	19.087 (1.162)		939323	20.0000	20
87 Dinoseb		211	10.978	10.978 (0.999)		69589	20.0000	13
89 Acetophenone		105	6.522	6.522 (0.891)		353231	20.0000	21
90 Benzaldehyde		77	5.710	5.710 (0.929)		207920	20.0000	24
91 1,1'-Biphenyl		154	8.430	8.430 (0.926)		690295	20.0000	21
92 Caprolactam		113	7.660	7.660 (1.046)		83742	20.0000	19
93 Atrazine		200	10.588	10.588 (0.963)		125554	20.0000	21
M 88 MethylPhenols,Total		100				513591	20.0000	40

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: tb2607q.d

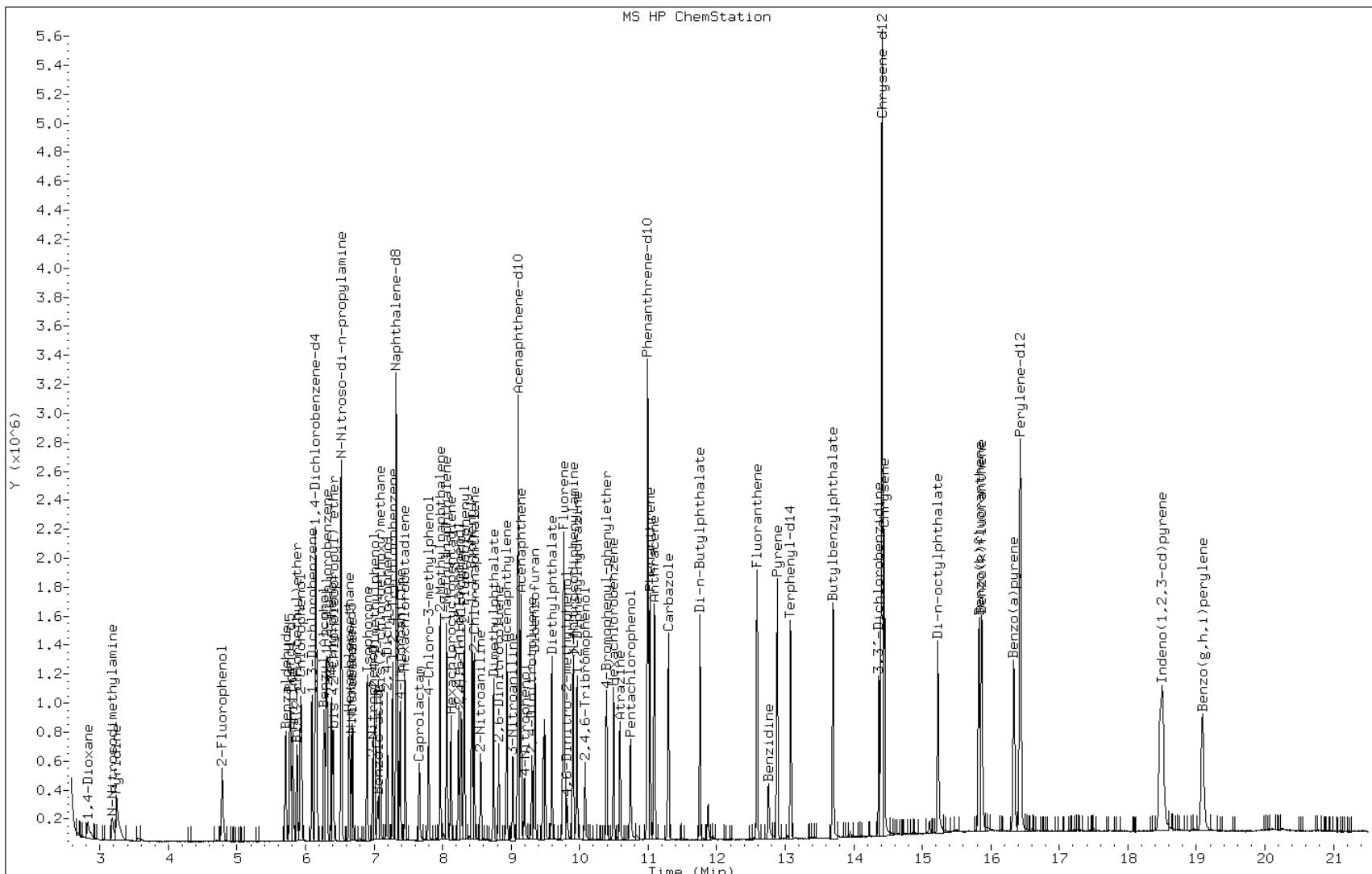
Date: 26-FEB-2013 17:33

Client ID:

Instrument: MST5973.i

Sample Info: IC-2980649; BNA020-63

Operator: LEG



TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022613D.b/tb2608q.d
Lab Smp Id: IC-2993146;BNA010-7
Inj Date : 26-FEB-2013 18:01
Operator : LEG Inst ID: MST5973.i
Smp Info : IC-2993146;BNA010-78
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022613D.b/t-8270D-m.m
Meth Date : 27-Feb-2013 10:38 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 21:18 Cal File: tb2615q.d
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.148	6.148 (1.000)		385510	40.0000	
	2 1,4-Dioxane	88	2.825	2.825 (0.460)		61521	10.0000	11
	3 Pyridine	79	3.247	3.247 (0.528)		151172	10.0000	10
	4 N-Nitrosodimethylamine	42	3.183	3.183 (0.518)		66410	10.0000	10
\$	5 2-Fluorophenol	112	4.781	4.781 (0.778)		135591	10.0000	11
\$	6 Phenol-d5	99	5.769	5.769 (0.938)		170480	10.0000	10
	7 Aniline	93	5.817	5.817 (0.946)		204182	10.0000	12
	8 Phenol	94	5.780	5.780 (0.940)		179318	10.0000	11
	9 Bis(2-chloroethyl)ether	63	5.876	5.876 (0.956)		103625	10.0000	11
10	2-Chlorophenol	128	5.940	5.940 (0.966)		145242	10.0000	11
11	1,3-Dichlorobenzene	146	6.095	6.095 (0.991)		164116	10.0000	11
12	1,4-Dichlorobenzene	146	6.164	6.164 (1.003)		161620	10.0000	11
13	Benzyl Alcohol	108	6.271	6.271 (1.020)		92193	10.0000	10
14	1,2-Dichlorobenzene	146	6.314	6.314 (1.027)		154629	10.0000	11
15	2-Methylphenol	107	6.378	6.378 (1.037)		110776	10.0000	11
16	bis (2-Chloroisopropyl) ether	45	6.405	6.405 (1.042)		199555	10.0000	11
17	N-Nitroso-di-n-propylamine	70	6.522	6.522 (1.061)		91648	10.0000	11
18	3&4-Methylphenol	107	6.517	6.517 (1.060)		157858	10.0000	11
19	Hexachloroethane	117	6.634	6.634 (1.079)		58289	10.0000	11
*	20 Naphthalene-d8	136	7.324	7.324 (1.000)		1493588	40.0000	
\$	21 Nitrobenzene-d5	82	6.666	6.666 (0.910)		129502	10.0000	10
	22 Nitrobenzene	77	6.688	6.688 (0.913)		136289	10.0000	11
	23 Isophorone	82	6.901	6.901 (0.942)		274047	10.0000	11
	24 2-Nitrophenol	139	6.982	6.982 (0.953)		66237	10.0000	9.9
	25 2,4-Dimethylphenol	122	7.008	7.008 (0.957)		126349	10.0000	12
	26 Bis(2-chloroethoxy)methane	93	7.088	7.088 (0.968)		160370	10.0000	11

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid	105	7.051	7.051	(0.963)		69407	10.0000	8.1
28 2,4-Dichlorophenol	162	7.190	7.190	(0.982)		117142	10.0000	11
29 1,2,4-Trichlorobenzene	180	7.270	7.270	(0.993)		137387	10.0000	11
30 Naphthalene	128	7.345	7.345	(1.003)		409384	10.0000	11
31 4-Chloroaniline	127	7.382	7.382	(1.008)		162688	10.0000	11
32 Hexachlorobutadiene	225	7.457	7.457	(1.018)		78532	10.0000	11
33 4-Chloro-3-methylphenol	107	7.799	7.799	(1.065)		114554	10.0000	10
34 2-Methylnaphthalene	142	7.965	7.965	(1.088)		278625	10.0000	11
35 1-Methylnaphthalene	142	8.061	8.061	(1.101)		263610	10.0000	11
* 36 Acenaphthene-d10	164	9.102	9.102	(1.000)		910571	40.0000	
37 Hexachlorocyclopentadiene	237	8.125	8.125	(0.893)		74859	10.0000	9.9
38 2,4,6-Trichlorophenol	196	8.232	8.232	(0.904)		86864	10.0000	11
39 2,4,5-Trichlorophenol	196	8.269	8.269	(0.908)		93045	10.0000	11
\$ 40 2-Fluorobiphenyl	172	8.317	8.317	(0.914)		297612	10.0000	11
41 2-Chloronaphthalene	162	8.461	8.461	(0.930)		271420	10.0000	11
42 2-Nitroaniline	65	8.558	8.558	(0.940)		61952	10.0000	9.3
43 Dimethylphthalate	163	8.745	8.745	(0.961)		306975	10.0000	11
44 2,6-Dinitrotoluene	165	8.819	8.819	(0.969)		51943	10.0000	8.9
45 Acenaphthylene	152	8.937	8.937	(0.982)		418646	10.0000	11
46 3-Nitroaniline	138	9.022	9.022	(0.991)		64784	10.0000	9.7
47 Acenaphthene	154	9.140	9.140	(1.004)		256533	10.0000	11
48 2,4-Dinitrophenol	184	9.145	9.145	(1.005)		16757	10.0000	6.9
49 4-Nitrophenol	65	9.193	9.193	(1.010)		43521	10.0000	8.7
50 Dibenzofuran	168	9.348	9.348	(1.027)		385854	10.0000	11
51 2,4-Dinitrotoluene	165	9.305	9.305	(1.022)		70203	10.0000	8.8
53 Diethylphthalate	149	9.589	9.589	(1.053)		300151	10.0000	11
54 Fluorene	166	9.776	9.776	(1.074)		317716	10.0000	12
55 4-Chlorophenyl-phenylether	204	9.760	9.760	(1.072)		161692	10.0000	11
56 4-Nitroaniline	138	9.776	9.776	(1.074)		67222	10.0000	10
\$ 57 2,4,6-Tribromophenol	329	10.080	10.080	(1.107)		39843	10.0000	10
* 58 Phenanthrene-d10	188	10.994	10.994	(1.000)		1600108	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.818	9.818	(0.893)		27420	10.0000	6.8
60 N-Nitrosodiphenylamine	169	9.904	9.904	(0.901)		224933	10.0000	11
61 1,2-Diphenylhydrazine	77	9.963	9.963	(0.906)		294178	10.0000	11
62 4-Bromophenyl-phenylether	248	10.390	10.390	(0.945)		94927	10.0000	11
63 Hexachlorobenzene	284	10.497	10.497	(0.955)		98900	10.0000	11
64 Pentachlorophenol	266	10.743	10.743	(0.977)		52453	10.0000	9.0
65 Phenanthrene	178	11.026	11.026	(1.003)		460596	10.0000	11
66 Anthracene	178	11.090	11.090	(1.009)		473873	10.0000	11
67 Carbazole	167	11.293	11.293	(1.027)		437889	10.0000	11
68 Di-n-Butylphthalate	149	11.758	11.758	(1.069)		517659	10.0000	11
69 Fluoranthene	202	12.586	12.586	(1.145)		538141	10.0000	11
70 Benzidine	184	12.757	12.757	(0.885)		270197	10.0000	16
* 71 Chrysene-d12	240	14.413	14.413	(1.000)		1680116	40.0000	
72 Pyrene	202	12.885	12.885	(0.894)		548346	10.0000	10
\$ 73 Terphenyl-d14	244	13.077	13.077	(0.907)		299170	10.0000	10
74 Butylbenzylphthalate	149	13.697	13.697	(0.950)		218534	10.0000	9.5

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.365	14.365 (0.997)		197740	10.0000	10
76 Benzo(a)Anthracene		228	14.402	14.402 (0.999)		522178	10.0000	11
77 Bis(2-ethylhexyl)phthalate		149	14.418	14.418 (1.000)		290688	10.0000	9.9
78 Chrysene		228	14.445	14.445 (1.002)		508405	10.0000	10
* 79 Perylene-d12		264	16.432	16.432 (1.000)		1733570	40.0000	
80 Di-n-octylphthalate		149	15.230	15.230 (1.057)		475626	10.0000	8.8
81 Benzo(b)fluoranthene		252	15.828	15.828 (0.963)		464832	10.0000	10
82 Benzo(k)fluoranthene		252	15.866	15.866 (0.966)		548959	10.0000	12
83 Benzo(a)pyrene		252	16.336	16.336 (0.994)		431913	10.0000	11
84 Indeno(1,2,3-cd)pyrene		276	18.467	18.467 (1.281)		511194	10.0000	8.8
85 Dibenzo(a,h)anthracene		278	18.505	18.505 (1.126)		438512	10.0000	10
86 Benzo(g,h,i)perylene		276	19.087	19.087 (1.162)		458898	10.0000	10
87 Dinoseb		211	10.978	10.978 (0.999)		28563	10.0000	5.5
89 Acetophenone		105	6.522	6.522 (0.891)		203486	10.0000	13
90 Benzaldehyde		77	5.710	5.710 (0.929)		125564	10.0000	15
91 1,1'-Biphenyl		154	8.429	8.429 (0.926)		397138	10.0000	12
92 Caprolactam		113	7.655	7.655 (1.045)		47770	10.0000	11
93 Atrazine		200	10.588	10.588 (0.963)		99307	10.0000	17
M 88 MethylPhenols,Total		100				268634	10.0000	22

Data File: tb2608q.d

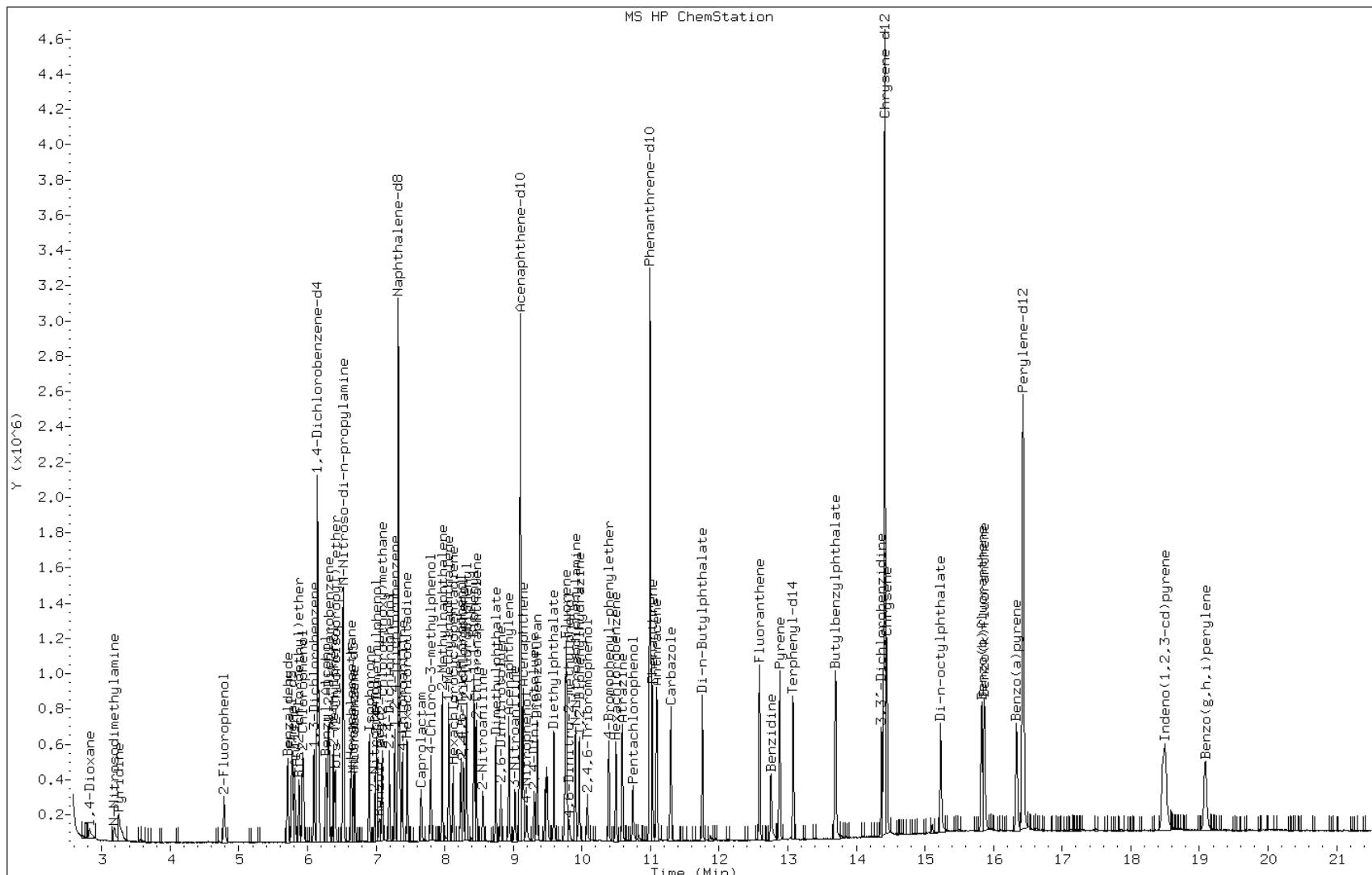
Date: 26-FEB-2013 18:01

Client ID:

Instrument: MST5973.i

Sample Info: IC-2993146;BNA010-78

Operator: LEG



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: ICV 680-267280/8

Calibration Date: 02/22/2013 16:46

Instrument ID: MST

Calib Start Date: 02/22/2013 13:57

GC Column: ZB5 Semiv ID: 0.25 (mm)

Calib End Date: 02/22/2013 16:46

Lab File ID: tb2214q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6853	0.6147		330	80.0	-10.3	30.0
N-Nitrosodimethylamine	Ave	0.6834	0.6677		330	80.0	-2.3	30.0
Pyridine	Ave	1.609	1.638		81.4	80.0	1.8	30.0
Methyl Phenols, Total	Ave	2.585	1.232	0.6000	154	160	-52.3*	30.0
Benzaldehyde	Ave	0.7463	0.3062	0.0100	330	80.0	-59.0*	30.0
Phenol	Ave	1.882	1.883	0.8000	80.1	80.0	0.0	30.0
Aniline	Ave	1.841	2.080		90.4	80.0	13.0	30.0
Bis(2-chloroethyl)ether	Ave	1.020	0.9418	0.7000	73.9	80.0	-7.6	30.0
2-Chlorophenol	Ave	1.427	1.451	0.8000	81.3	80.0	1.6	30.0
1,3-Dichlorobenzene	Ave	1.574	1.509		76.7	80.0	-4.1	30.0
1,4-Dichlorobenzene	Ave	1.533	1.476		77.0	80.0	-3.7	30.0
Benzyl alcohol	Ave	0.8999	0.9169		81.5	80.0	1.9	30.0
1,2-Dichlorobenzene	Ave	1.433	1.414		79.0	80.0	-1.3	30.0
2-Methylphenol	Ave	1.069	1.093	0.7000	81.8	80.0	2.3	30.0
bis (2-chloroisopropyl) ether	Ave	2.159	2.133	0.0100	79.0	80.0	-1.2	30.0
N-Nitrosodi-n-propylamine	Ave	0.8414	0.8309	0.5000	79.0	80.0	-1.3	30.0
Acetophenone	Ave	0.4256	0.3993	0.0100	75.1	80.0	-6.2	30.0
3 & 4 Methylphenol	Ave	1.516	1.370		72.3	80.0	-9.6	30.0
Hexachloroethane	Ave	0.5641	0.5498	0.3000	78.0	80.0	-2.5	30.0
Nitrobenzene	Ave	0.3160	0.3048	0.2000	77.2	80.0	-3.5	30.0
Isophorone	Ave	0.6383	0.5992	0.4000	75.1	80.0	-6.1	30.0
2-Nitrophenol	Ave	0.1764	0.1751	0.1000	79.4	80.0	-0.7	30.0
2,4-Dimethylphenol	Ave	0.2807	0.2970	0.2000	84.7	80.0	5.8	30.0
Bis(2-chloroethoxy)methane	Ave	0.3980	0.3862	0.3000	77.6	80.0	-3.0	30.0
Benzoic acid	Ave	0.2301	0.1838		1700	80.0	-20.1	30.0
2,4-Dichlorophenol	Ave	0.2748	0.2719	0.2000	79.1	80.0	-1.1	30.0
1,2,4-Trichlorobenzene	Ave	0.3001	0.2884		76.9	80.0	-3.9	30.0
Naphthalene	Ave	0.9734	0.9457	0.7000	77.7	80.0	-2.8	30.0
4-Chloroaniline	Ave	0.3892	0.3977	0.0100	81.8	80.0	2.2	30.0
Hexachlorobutadiene	Ave	0.1549	0.1471	0.0100	76.0	80.0	-5.0	30.0
Caprolactam	Ave	0.1077	0.1047	0.0100	77.7	80.0	-2.8	30.0
4-Chloro-3-methylphenol	Ave	0.2705	0.2704	0.2000	80.0	80.0	-0.0	30.0
2-Methylnaphthalene	Ave	0.6371	0.6390	0.4000	80.2	80.0	0.3	30.0
1-Methylnaphthalene	Ave	0.6022	0.5841		77.6	80.0	-3.0	30.0
Hexachlorocyclopentadiene	Ave	0.2710	0.2652	0.0500	78.3	80.0	-2.1	30.0
2,4,6-Trichlorophenol	Ave	0.3249	0.3208	0.2000	79.0	80.0	-1.2	30.0
2,4,5-Trichlorophenol	Ave	0.3436	0.3284	0.2000	76.5	80.0	-4.4	30.0
1,1'-Biphenyl	Ave	1.406	1.267	0.0100	330	80.0	-9.9	30.0
2-Chloronaphthalene	Ave	1.048	1.010	0.8000	77.1	80.0	-3.6	30.0
2-Nitroaniline	Ave	0.2797	0.2782	0.0100	79.6	80.0	-0.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: ICV 680-267280/8

Calibration Date: 02/22/2013 16:46

Instrument ID: MST

Calib Start Date: 02/22/2013 13:57

GC Column: ZB5 Semiv ID: 0.25 (mm)

Calib End Date: 02/22/2013 16:46

Lab File ID: tb2214q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.167	1.106	0.0100	75.8	80.0	-5.3	30.0
2,6-Dinitrotoluene	Ave	0.2371	0.2540	0.2000	85.7	80.0	7.1	30.0
Acenaphthylene	Ave	1.621	1.560	0.9000	77.0	80.0	-3.8	30.0
3-Nitroaniline	Ave	0.2974	0.3147	0.0100	84.6	80.0	5.8	30.0
Acenaphthene	Ave	1.038	1.022	0.9000	78.8	80.0	-1.5	30.0
2,4-Dinitrophenol	Ave	0.1432	0.1565	0.0100	1700	80.0	9.3	30.0
4-Nitrophenol	Ave	0.2030	0.2021	0.0100	1700	80.0	-0.4	30.0
2,4-Dinitrotoluene	Ave	0.3292	0.3148	0.2000	76.5	80.0	-4.4	30.0
Dibenzofuran	Ave	1.448	1.373	0.8000	75.8	80.0	-5.2	30.0
Diethyl phthalate	Ave	1.079	1.043	0.0100	77.3	80.0	-3.3	30.0
4-Chlorophenyl phenyl ether	Ave	0.5560	0.5267	0.4000	75.8	80.0	-5.3	30.0
Fluorene	Ave	1.160	1.124	0.9000	77.5	80.0	-3.1	30.0
4-Nitroaniline	Ave	0.2977	0.2899	0.0100	77.9	80.0	-2.6	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1230	0.1318	0.0100	1700	80.0	7.1	30.0
N-Nitrosodiphenylamine	Ave	0.5239	0.5978	0.0100	91.3	80.0	14.1	30.0
1,2-Diphenylhydrazine (as Azobenzene)	Ave	0.7151	0.6749		75.5	80.0	-5.6	30.0
4-Bromophenyl phenyl ether	Ave	0.1961	0.1865	0.1000	76.1	80.0	-4.9	30.0
Hexachlorobenzene	Ave	0.2214	0.2093	0.1000	75.6	80.0	-5.5	30.0
Atrazine	Ave	0.1327	0.1748	0.0100	105	80.0	31.7*	30.0
Pentachlorophenol	Ave	0.1339	0.1353	0.0500	1700	80.0	1.1	30.0
Dinoseb	QuaF	0.1441	0.1740		330	80.0	4.6	
Phenanthrene	Ave	1.051	1.012	0.7000	77.0	80.0	-3.7	30.0
Anthracene	Ave	1.063	1.044	0.7000	78.6	80.0	-1.8	30.0
Carbazole	Ave	0.9937	0.9876	0.0100	79.5	80.0	-0.6	30.0
Di-n-butyl phthalate	Ave	1.140	1.134	0.0100	79.6	80.0	-0.5	30.0
Fluoranthene	Ave	1.123	1.103	0.6000	78.6	80.0	-1.8	30.0
Benzidine	Ave	0.2995	0.5529		2700	80.0	84.6*	30.0
Pyrene	Ave	1.220	1.199	0.6000	78.6	80.0	-1.7	30.0
Butyl benzyl phthalate	Ave	0.5088	0.5091	0.0100	80.0	80.0	0.0	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6720	0.6699	0.0100	79.8	80.0	-0.3	30.0
3,3'-Dichlorobenzidine	Ave	0.3572	0.3598	0.0100	80.6	80.0	0.7	30.0
Benzo[a]anthracene	Ave	1.098	1.069	0.8000	77.9	80.0	-2.6	30.0
Chrysene	Ave	1.089	1.031	0.7000	75.8	80.0	-5.3	30.0
Di-n-octyl phthalate	Ave	1.195	1.251	0.0100	83.7	80.0	4.7	30.0
Benzo[b]fluoranthene	Ave	1.009	1.009	0.7000	80.0	80.0	-0.0	30.0
Benzo[k]fluoranthene	Ave	1.106	1.056	0.7000	76.4	80.0	-4.5	30.0
Benzo[a]pyrene	Ave	0.9243	0.9931	0.7000	86.0	80.0	7.4	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.258	1.316	0.5000	83.7	80.0	4.7	30.0
Dibenz(a,h)anthracene	Ave	1.018	0.996	0.4000	78.2	80.0	-2.2	30.0
Benzo[g,h,i]perylene	Ave	1.072	1.056	0.5000	78.8	80.0	-1.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: ICV 680-267280/8

Calibration Date: 02/22/2013 16:46

Instrument ID: MST

Calib Start Date: 02/22/2013 13:57

GC Column: ZB5 SemiV ID: 0.25 (mm)

Calib End Date: 02/22/2013 16:46

Lab File ID: tb2214q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorophenol (Surr)	Ave	1.382	1.397		80.9	80.0	1.1	30.0
Phenol-d5 (Surr)	Ave	1.709	1.722		80.6	80.0	0.8	30.0
Nitrobenzene-d5 (Surr)	Ave	0.3033	0.2892		76.3	80.0	-4.7	30.0
2-Fluorobiphenyl	Ave	1.109	1.070		77.2	80.0	-3.6	30.0
2,4,6-Tribromophenol (Surr)	Ave	0.1695	0.1726		81.5	80.0	1.8	30.0
Terphenyl-d14 (Surr)	Ave	0.6244	0.7748		99.3	80.0	24.1	30.0

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022213D.b/tb2214q.d
Lab Smp Id: IC;2980658-BNAICV-6
Inj Date : 22-FEB-2013 16:46
Operator : bb Inst ID: MST5973.i
Smp Info : IC;2980658-BNAICV-62
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022213D.b/t-8270D-m.m
Meth Date : 22-Feb-2013 18:17 boyukb Quant Type: ISTD
Cal Date : 13-FEB-2013 23:26 Cal File: tb1320q.d
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.135	6.135 (1.000)		534099	40.0000	
	2 1,4-Dioxane	88	2.849	2.849 (0.464)		656639	80.0000	72
	3 Pyridine	79	3.293	3.293 (0.537)		1749383	80.0000	81
	4 N-Nitrosodimethylamine	42	3.191	3.191 (0.520)		713254	80.0000	78
\$	5 2-Fluorophenol	112	4.783	4.783 (0.780)		1491974	80.0000	81
\$	6 Phenol-d5	99	5.782	5.782 (0.943)		1839421	80.0000	81
	7 Aniline	93	5.814	5.814 (0.948)		2222088	80.0000	90
	8 Phenol	94	5.798	5.798 (0.945)		2011503	80.0000	80
	9 Bis(2-chloroethyl)ether	63	5.862	5.862 (0.956)		1005981	80.0000	74
10	2-Chlorophenol	128	5.937	5.937 (0.968)		1549774	80.0000	81
11	1,3-Dichlorobenzene	146	6.081	6.081 (0.991)		1611513	80.0000	77
12	1,4-Dichlorobenzene	146	6.151	6.151 (1.003)		1576339	80.0000	77
13	Benzyl Alcohol	108	6.273	6.273 (1.023)		979465	80.0000	82
14	1,2-Dichlorobenzene	146	6.306	6.306 (1.028)		1510794	80.0000	79
15	2-Methylphenol	107	6.386	6.386 (1.041)		1168067	80.0000	82
16	bis (2-Chloroisopropyl) ether	45	6.391	6.391 (1.042)		2278390	80.0000	79
17	N-Nitroso-di-n-propylamine	70	6.519	6.519 (1.063)		887557	80.0000	79
18	3&4-Methylphenol	107	6.535	6.535 (1.065)		1463947	80.0000	72
19	Hexachloroethane	117	6.631	6.631 (1.081)		587294	80.0000	78
*	20 Naphthalene-d8	136	7.326	7.326 (1.000)		2202988	40.0000	
\$	21 Nitrobenzene-d5	82	6.669	6.669 (0.910)		1274258	80.0000	76
	22 Nitrobenzene	77	6.690	6.690 (0.913)		1343077	80.0000	77
	23 Isophorone	82	6.904	6.904 (0.942)		2640227	80.0000	75
	24 2-Nitrophenol	139	6.984	6.984 (0.953)		771683	80.0000	79
	25 2,4-Dimethylphenol	122	7.016	7.016 (0.958)		1308771	80.0000	85
	26 Bis(2-chloroethoxy)methane	93	7.085	7.085 (0.967)		1701477	80.0000	78

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
27 Benzoic acid	105	7.118	7.118 (0.972)		809912	80.0000	64
28 2,4-Dichlorophenol	162	7.203	7.203 (0.983)		1197888	80.0000	79
29 1,2,4-Trichlorobenzene	180	7.272	7.272 (0.993)		1270528	80.0000	77
30 Naphthalene	128	7.347	7.347 (1.003)		4166603	80.0000	78
31 4-Chloroaniline	127	7.390	7.390 (1.009)		1752423	80.0000	82
32 Hexachlorobutadiene	225	7.449	7.449 (1.017)		648114	80.0000	76
33 4-Chloro-3-methylphenol	107	7.823	7.823 (1.068)		1191334	80.0000	80
34 2-Methylnaphthalene	142	7.967	7.967 (1.087)		2815600	80.0000	80
35 1-Methylnaphthalene	142	8.068	8.068 (1.101)		2573430	80.0000	78
* 36 Acenaphthene-d10	164	9.116	9.116 (1.000)		1276267	40.0000	
37 Hexachlorocyclopentadiene	237	8.122	8.122 (0.891)		676801	80.0000	78
38 2,4,6-Trichlorophenol	196	8.250	8.250 (0.905)		818906	80.0000	79
39 2,4,5-Trichlorophenol	196	8.293	8.293 (0.910)		838347	80.0000	76
\$ 40 2-Fluorobiphenyl	172	8.320	8.320 (0.913)		2731282	80.0000	77
41 2-Chloronaphthalene	162	8.469	8.469 (0.929)		2577292	80.0000	77
42 2-Nitroaniline	65	8.581	8.581 (0.941)		710179	80.0000	80
43 Dimethylphthalate	163	8.758	8.758 (0.961)		2822536	80.0000	76
44 2,6-Dinitrotoluene	165	8.838	8.838 (0.970)		648393	80.0000	86
45 Acenaphthylene	152	8.950	8.950 (0.982)		3981599	80.0000	77
46 3-Nitroaniline	138	9.051	9.051 (0.993)		803282	80.0000	85
47 Acenaphthene	154	9.153	9.153 (1.004)		2609425	80.0000	79
48 2,4-Dinitrophenol	184	9.174	9.174 (1.006)		399457	80.0000	87(Q)
49 4-Nitrophenol	65	9.249	9.249 (1.015)		515891	80.0000	80
50 Dibenzofuran	168	9.361	9.361 (1.027)		3503998	80.0000	76
51 2,4-Dinitrotoluene	165	9.324	9.324 (1.023)		803563	80.0000	77
53 Diethylphthalate	149	9.591	9.591 (1.052)		2661541	80.0000	77
54 Fluorene	166	9.783	9.783 (1.073)		2868931	80.0000	78
55 4-Chlorophenyl-phenylether	204	9.757	9.757 (1.070)		1344475	80.0000	76
56 4-Nitroaniline	138	9.810	9.810 (1.076)		739841	80.0000	78
\$ 57 2,4,6-Tribromophenol	329	10.099	10.099 (1.108)		440572	80.0000	81
* 58 Phenanthrene-d10	188	11.001	11.001 (1.000)		2022397	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.837	9.837 (0.894)		533049	80.0000	86
60 N-Nitrosodiphenylamine	169	9.912	9.912 (0.901)		2418152	80.0000	91
61 1,2-Diphenylhydrazine	77	9.965	9.965 (0.906)		2730007	80.0000	76
62 4-Bromophenyl-phenylether	248	10.392	10.392 (0.945)		754257	80.0000	76
63 Hexachlorobenzene	284	10.510	10.510 (0.955)		846500	80.0000	76
64 Pentachlorophenol	266	10.761	10.761 (0.978)		547422	80.0000	81
65 Phenanthrene	178	11.033	11.033 (1.003)		4094081	80.0000	77
66 Anthracene	178	11.103	11.103 (1.009)		4223727	80.0000	79
67 Carbazole	167	11.311	11.311 (1.028)		3994535	80.0000	80
68 Di-n-Butylphthalate	149	11.728	11.728 (1.066)		4586984	80.0000	80
69 Fluoranthene	202	12.593	12.593 (1.145)		4462684	80.0000	79
70 Benzidine	184	12.764	12.764 (0.885)		2116506	80.0000	150
* 71 Chrysene-d12	240	14.426	14.426 (1.000)		1913874	40.0000	
72 Pyrene	202	12.893	12.893 (0.894)		4590357	80.0000	79
\$ 73 Terphenyl-d14	244	13.069	13.069 (0.906)		2965747	80.0000	99
74 Butylbenzylphthalate	149	13.678	13.678 (0.948)		1948644	80.0000	80

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.378	14.378 (0.997)		1377111	80.0000	81
76 Benzo(a)Anthracene		228	14.410	14.410 (0.999)		4092146	80.0000	78
77 Bis(2-ethylhexyl)phthalate		149	14.372	14.372 (0.996)		2564330	80.0000	80
78 Chrysene		228	14.458	14.458 (1.002)		3947713	80.0000	76
* 79 Perylene-d12		264	16.472	16.472 (1.000)		2114281	40.0000	
80 Di-n-octylphthalate		149	15.179	15.179 (1.052)		4788966	80.0000	84
81 Benzo(b)fluoranthene		252	15.863	15.863 (0.963)		4266117	80.0000	80
82 Benzo(k)fluoranthene		252	15.900	15.900 (0.965)		4465732	80.0000	76
83 Benzo(a)pyrene		252	16.381	16.381 (0.994)		4199516	80.0000	86
84 Indeno(1,2,3-cd)pyrene		276	18.555	18.555 (1.286)		5038537	80.0000	84
85 Dibenzo(a,h)anthracene		278	18.577	18.577 (1.128)		4211479	80.0000	78
86 Benzo(g,h,i)perylene		276	19.202	19.202 (1.166)		4464959	80.0000	79
87 Dinoseb		211	10.980	10.980 (0.998)		703634	80.0000	84
89 Acetophenone		105	6.525	6.525 (0.891)		1759208	80.0000	75
90 Benzaldehyde		77	5.702	5.702 (0.929)		327080	80.0000	33
91 1,1'-Biphenyl		154	8.432	8.432 (0.925)		3234319	80.0000	72
92 Caprolactam		113	7.711	7.711 (1.052)		461291	80.0000	78
93 Atrazine		200	10.590	10.590 (0.963)		707181	80.0000	110
M 88 MethylPhenols,Total		100				2632014	80.0000	150

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: tb2214q.d

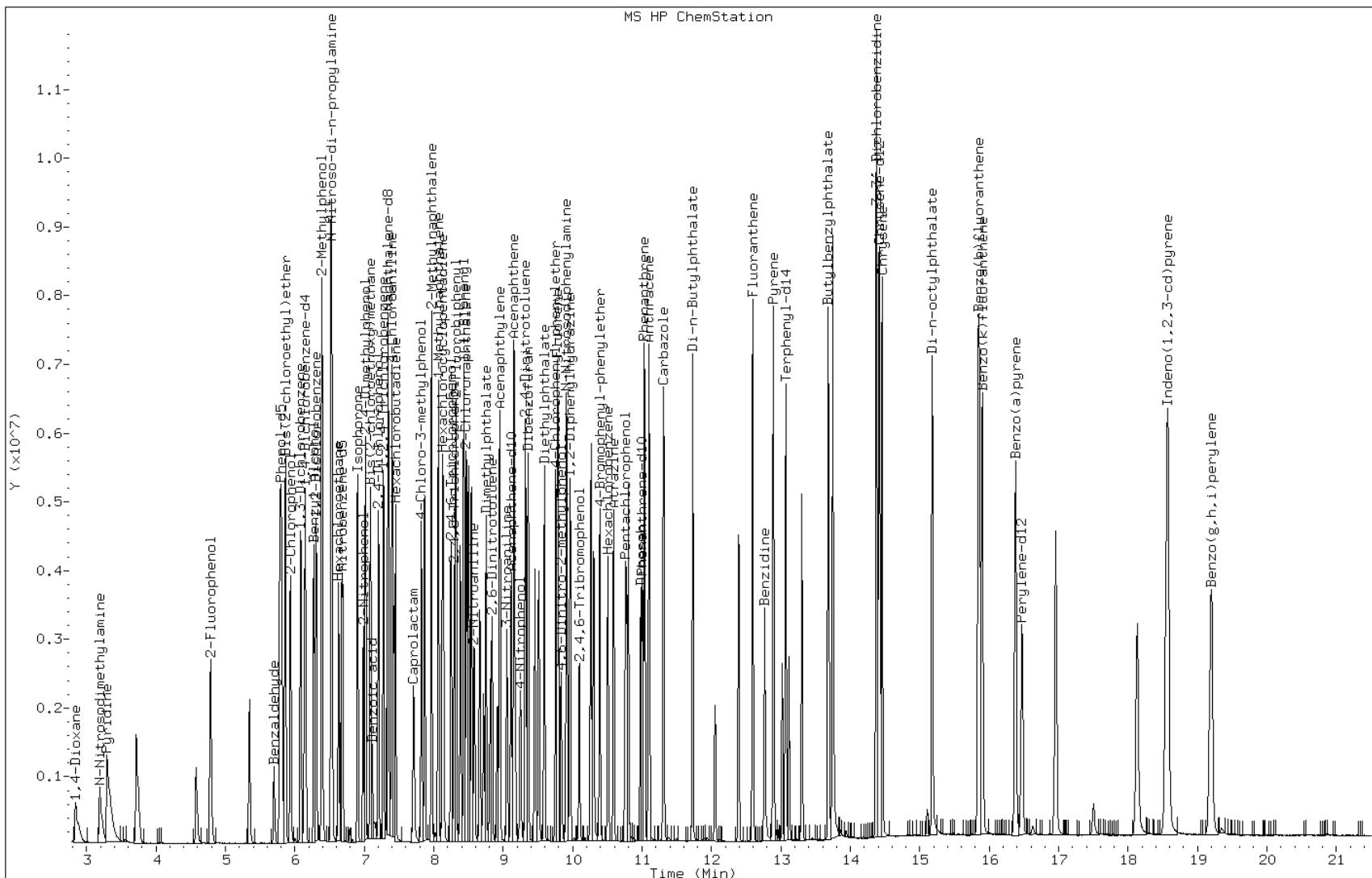
Date: 22-FEB-2013 16:46

Client ID:

Instrument: MST5973.i

Sample Info: IC;2980658-BNAICV-62

Operator: bb



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: CCVIS 680-267279/2

Calibration Date: 02/23/2013 11:17

Instrument ID: MST

Calib Start Date: 02/22/2013 13:57

GC Column: ZB5 Semiv ID: 0.25 (mm)

Calib End Date: 02/22/2013 16:46

Lab File ID: tb2303q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6853	0.6616		330	80.0	-3.5	20.0
N-Nitrosodimethylamine	Ave	0.6834	0.6975		330	80.0	2.1	20.0
Pyridine	Ave	1.609	1.575		78.3	80.0	-2.1	20.0
Methyl Phenols, Total	Ave	2.585	1.307	0.6000	162	160	-49.4*	20.0
Benzaldehyde	Ave	0.7463	0.6469	0.0100	69.3	80.0	-13.3	20.0
Phenol	Ave	1.882	1.909	0.8000	81.2	80.0	1.5	20.0
Aniline	Ave	1.841	1.626		70.6	80.0	-11.7	20.0
Bis(2-chloroethyl)ether	Ave	1.020	1.040	0.7000	81.6	80.0	2.0	20.0
2-Chlorophenol	Ave	1.427	1.450	0.8000	81.3	80.0	1.6	20.0
1,3-Dichlorobenzene	Ave	1.574	1.557		79.2	80.0	-1.0	20.0
1,4-Dichlorobenzene	Ave	1.533	1.526		79.6	80.0	-0.5	20.0
Benzyl alcohol	Ave	0.8999	0.9198		81.8	80.0	2.2	20.0
1,2-Dichlorobenzene	Ave	1.433	1.425		79.5	80.0	-0.6	20.0
2-Methylphenol	Ave	1.069	1.078	0.7000	80.6	80.0	0.8	20.0
bis (2-chloroisopropyl) ether	Ave	2.159	2.179	0.0100	80.7	80.0	0.9	20.0
N-Nitrosodi-n-propylamine	Ave	0.8414	0.8644	0.5000	82.2	80.0	2.7	20.0
Acetophenone	Ave	0.4256	0.4205	0.0100	79.0	80.0	-1.2	20.0
3 & 4 Methylphenol	Ave	1.516	1.536		81.1	80.0	1.3	20.0
Hexachloroethane	Ave	0.5641	0.5633	0.3000	79.9	80.0	-0.1	20.0
Nitrobenzene	Ave	0.3160	0.3124	0.2000	79.1	80.0	-1.1	20.0
Isophorone	Ave	0.6383	0.6426	0.4000	80.5	80.0	0.7	20.0
2-Nitrophenol	Ave	0.1764	0.1761	0.1000	79.9	80.0	-0.2	20.0
2,4-Dimethylphenol	Ave	0.2807	0.2815	0.2000	80.2	80.0	0.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.3980	0.3960	0.3000	79.6	80.0	-0.5	20.0
Benzoic acid	Ave	0.2301	0.2038		1700	80.0	-11.4	20.0
2,4-Dichlorophenol	Ave	0.2748	0.2731	0.2000	79.5	80.0	-0.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3001	0.2973		79.3	80.0	-0.9	20.0
Naphthalene	Ave	0.9734	0.9853	0.7000	81.0	80.0	1.2	20.0
4-Chloroaniline	Ave	0.3892	0.3738	0.0100	76.8	80.0	-3.9	20.0
Hexachlorobutadiene	Ave	0.1549	0.1535	0.0100	79.3	80.0	-0.9	20.0
Caprolactam	Ave	0.1077	0.1060	0.0100	78.7	80.0	-1.6	20.0
4-Chloro-3-methylphenol	Ave	0.2705	0.2707	0.2000	80.1	80.0	0.0	20.0
2-Methylnaphthalene	Ave	0.6371	0.6330	0.4000	79.5	80.0	-0.6	20.0
1-Methylnaphthalene	Ave	0.6022	0.5964		79.2	80.0	-1.0	20.0
Hexachlorocyclopentadiene	Ave	0.2710	0.2419	0.0500	71.4	80.0	-10.7	20.0
2,4,6-Trichlorophenol	Ave	0.3249	0.3302	0.2000	81.3	80.0	1.6	20.0
2,4,5-Trichlorophenol	Ave	0.3436	0.3540	0.2000	82.4	80.0	3.0	20.0
1,1'-Biphenyl	Ave	1.406	1.415	0.0100	330	80.0	0.7	20.0
2-Chloronaphthalene	Ave	1.048	1.063	0.8000	81.2	80.0	1.5	20.0
2-Nitroaniline	Ave	0.2797	0.2788	0.0100	79.7	80.0	-0.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: CCVIS 680-267279/2

Calibration Date: 02/23/2013 11:17

Instrument ID: MST

Calib Start Date: 02/22/2013 13:57

GC Column: ZB5 Semiv ID: 0.25 (mm)

Calib End Date: 02/22/2013 16:46

Lab File ID: tb2303q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.167	1.178	0.0100	80.8	80.0	1.0	20.0
2,6-Dinitrotoluene	Ave	0.2371	0.2411	0.2000	81.3	80.0	1.7	20.0
Acenaphthylene	Ave	1.621	1.658	0.9000	81.8	80.0	2.3	20.0
3-Nitroaniline	Ave	0.2974	0.3000	0.0100	80.7	80.0	0.9	20.0
Acenaphthene	Ave	1.038	1.063	0.9000	81.9	80.0	2.4	20.0
2,4-Dinitrophenol	Ave	0.1432	0.1354	0.0100	1700	80.0	-5.4	20.0
4-Nitrophenol	Ave	0.2030	0.2096	0.0100	1700	80.0	3.3	20.0
2,4-Dinitrotoluene	Ave	0.3292	0.3378	0.2000	82.1	80.0	2.6	20.0
Dibenzofuran	Ave	1.448	1.448	0.8000	80.0	80.0	0.0	20.0
Diethyl phthalate	Ave	1.079	1.110	0.0100	82.3	80.0	2.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5560	0.5554	0.4000	79.9	80.0	-0.1	20.0
Fluorene	Ave	1.160	1.170	0.9000	80.7	80.0	0.8	20.0
4-Nitroaniline	Ave	0.2977	0.2956	0.0100	79.4	80.0	-0.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1230	0.1299	0.0100	1700	80.0	5.6	20.0
N-Nitrosodiphenylamine	Ave	0.5239	0.5263	0.0100	80.4	80.0	0.5	20.0
1,2-Diphenylhydrazine (as Azobenzene)	Ave	0.7151	0.7183		80.4	80.0	0.4	20.0
4-Bromophenyl phenyl ether	Ave	0.1961	0.1973	0.1000	80.5	80.0	0.6	20.0
Hexachlorobenzene	Ave	0.2214	0.2188	0.1000	79.0	80.0	-1.2	20.0
Atrazine	Ave	0.1327	0.0734	0.0100	46.0	80.0	-44.7*	20.0
Pentachlorophenol	Ave	0.1339	0.1358	0.0500	1700	80.0	1.4	20.0
Dinoseb	QuaF	0.1441	0.1531		330	80.0	-7.1	
Phenanthrene	Ave	1.051	1.057	0.7000	80.5	80.0	0.6	20.0
Anthracene	Ave	1.063	1.073	0.7000	80.8	80.0	0.9	20.0
Carbazole	Ave	0.9937	0.9901	0.0100	79.7	80.0	-0.4	20.0
Di-n-butyl phthalate	Ave	1.140	1.187	0.0100	83.3	80.0	4.2	20.0
Fluoranthene	Ave	1.123	1.153	0.6000	82.1	80.0	2.6	20.0
Benzidine	Ave	0.2995	0.1691		2700	80.0	-43.5*	20.0
Pyrene	Ave	1.220	1.236	0.6000	81.0	80.0	1.3	20.0
Butyl benzyl phthalate	Ave	0.5088	0.5232	0.0100	82.3	80.0	2.8	20.0
3,3'-Dichlorobenzidine	Ave	0.3572	0.3619	0.0100	81.1	80.0	1.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6720	0.7024	0.0100	83.6	80.0	4.5	20.0
Benzo[a]anthracene	Ave	1.098	1.092	0.8000	79.6	80.0	-0.5	20.0
Chrysene	Ave	1.089	1.095	0.7000	80.5	80.0	0.6	20.0
Di-n-octyl phthalate	Ave	1.195	1.246	0.0100	83.4	80.0	4.2	20.0
Benzo[b]fluoranthene	Ave	1.009	1.134	0.7000	89.8	80.0	12.3	20.0
Benzo[k]fluoranthene	Ave	1.106	1.107	0.7000	80.1	80.0	0.0	20.0
Benzo[a]pyrene	Ave	0.9243	0.9682	0.7000	83.8	80.0	4.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.258	1.272	0.5000	80.9	80.0	1.1	20.0
Dibenz(a,h)anthracene	Ave	1.018	1.086	0.4000	85.3	80.0	6.7	20.0
Benzo[g,h,i]perylene	Ave	1.072	1.135	0.5000	84.7	80.0	5.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: CCVIS 680-267279/2

Calibration Date: 02/23/2013 11:17

Instrument ID: MST

Calib Start Date: 02/22/2013 13:57

GC Column: ZB5 SemiV ID: 0.25 (mm)

Calib End Date: 02/22/2013 16:46

Lab File ID: tb2303q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorophenol (Surr)	Ave	1.382	1.401		81.1	80.0	1.4	20.0
Phenol-d5 (Surr)	Ave	1.709	1.749		81.9	80.0	2.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3033	0.3076		81.1	80.0	1.4	20.0
2-Fluorobiphenyl	Ave	1.109	1.115		80.4	80.0	0.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1695	0.1726		81.5	80.0	1.9	20.0
Terphenyl-d14 (Surr)	Ave	0.6244	0.6266		80.3	80.0	0.3	20.0

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022313D.b/tb2303q.d
Lab Smp Id: CCVIS;2980644-BNA08
Inj Date : 23-FEB-2013 11:17
Operator : bb Inst ID: MST5973.i
Smp Info : CCVIS;2980644-BNA080-168
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022313D.b/t-8270D-m.m
Meth Date : 24-Feb-2013 10:45 gillinsl Quant Type: ISTD
Cal Date : 13-FEB-2013 23:26 Cal File: tb1320q.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.145	6.145 (1.000)		484019	40.0000	
	2 1,4-Dioxane	88	2.849	2.849 (0.464)		640448	80.0000	77
	3 Pyridine	79	3.287	3.287 (0.535)		1524533	80.0000	78
	4 N-Nitrosodimethylamine	42	3.186	3.186 (0.518)		675247	80.0000	82
\$	5 2-Fluorophenol	112	4.788	4.788 (0.779)		1356534	80.0000	81
\$	6 Phenol-d5	99	5.787	5.787 (0.942)		1692812	80.0000	82
	7 Aniline	93	5.819	5.819 (0.947)		1573567	80.0000	71
	8 Phenol	94	5.803	5.803 (0.944)		1847858	80.0000	81
	9 Bis(2-chloroethyl)ether	63	5.873	5.873 (0.956)		1007056	80.0000	82
10	2-Chlorophenol	128	5.948	5.948 (0.968)		1403626	80.0000	81
11	1,3-Dichlorobenzene	146	6.092	6.092 (0.991)		1507710	80.0000	79
12	1,4-Dichlorobenzene	146	6.161	6.161 (1.003)		1476821	80.0000	80
13	Benzyl Alcohol	108	6.284	6.284 (1.023)		890438	80.0000	82
14	1,2-Dichlorobenzene	146	6.316	6.316 (1.028)		1379007	80.0000	80
15	2-Methylphenol	107	6.396	6.396 (1.041)		1043404	80.0000	81
16	bis (2-Chloroisopropyl) ether	45	6.402	6.402 (1.042)		2109104	80.0000	81
17	N-Nitroso-di-n-propylamine	70	6.530	6.530 (1.063)		836752	80.0000	82
18	3&4-Methylphenol	107	6.541	6.541 (1.064)		1486772	80.0000	81
19	Hexachloroethane	117	6.642	6.642 (1.081)		545320	80.0000	80
*	20 Naphthalene-d8	136	7.342	7.342 (1.000)		1991722	40.0000	
\$	21 Nitrobenzene-d5	82	6.679	6.679 (0.910)		1225429	80.0000	81
	22 Nitrobenzene	77	6.701	6.701 (0.913)		1244346	80.0000	79
	23 Isophorone	82	6.915	6.915 (0.942)		2559574	80.0000	81
	24 2-Nitrophenol	139	6.995	6.995 (0.953)		701484	80.0000	80
	25 2,4-Dimethylphenol	122	7.027	7.027 (0.957)		1121443	80.0000	80
	26 Bis(2-chloroethoxy)methane	93	7.102	7.102 (0.967)		1577594	80.0000	80

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
27 Benzoic acid	105	7.123	7.123 (0.970)		812000	80.0000	71
28 2,4-Dichlorophenol	162	7.214	7.214 (0.983)		1087883	80.0000	80
29 1,2,4-Trichlorobenzene	180	7.289	7.289 (0.993)		1184174	80.0000	79
30 Naphthalene	128	7.358	7.358 (1.002)		3924921	80.0000	81
31 4-Chloroaniline	127	7.406	7.406 (1.009)		1488964	80.0000	77
32 Hexachlorobutadiene	225	7.465	7.465 (1.017)		611560	80.0000	79
33 4-Chloro-3-methylphenol	107	7.833	7.833 (1.067)		1078201	80.0000	80
34 2-Methylnaphthalene	142	7.983	7.983 (1.087)		2521527	80.0000	79
35 1-Methylnaphthalene	142	8.079	8.079 (1.100)		2375527	80.0000	79
* 36 Acenaphthene-d10	164	9.132	9.132 (1.000)		1114732	40.0000	
37 Hexachlorocyclopentadiene	237	8.138	8.138 (0.891)		539358	80.0000	71
38 2,4,6-Trichlorophenol	196	8.261	8.261 (0.905)		736064	80.0000	81
39 2,4,5-Trichlorophenol	196	8.304	8.304 (0.909)		789146	80.0000	82
\$ 40 2-Fluorobiphenyl	172	8.336	8.336 (0.913)		2486084	80.0000	80
41 2-Chloronaphthalene	162	8.485	8.485 (0.929)		2370600	80.0000	81
42 2-Nitroaniline	65	8.597	8.597 (0.941)		621469	80.0000	80
43 Dimethylphthalate	163	8.768	8.768 (0.960)		2627163	80.0000	81
44 2,6-Dinitrotoluene	165	8.854	8.854 (0.970)		537517	80.0000	81
45 Acenaphthylene	152	8.966	8.966 (0.982)		3696692	80.0000	82
46 3-Nitroaniline	138	9.067	9.067 (0.993)		668835	80.0000	81
47 Acenaphthene	154	9.169	9.169 (1.004)		2369347	80.0000	82
48 2,4-Dinitrophenol	184	9.190	9.190 (1.006)		301892	80.0000	76(Q)
49 4-Nitrophenol	65	9.265	9.265 (1.015)		467248	80.0000	83
50 Dibenzofuran	168	9.377	9.377 (1.027)		3228902	80.0000	80
51 2,4-Dinitrotoluene	165	9.340	9.340 (1.023)		753136	80.0000	82
53 Diethylphthalate	149	9.607	9.607 (1.052)		2474660	80.0000	82
54 Fluorene	166	9.799	9.799 (1.073)		2607991	80.0000	81
55 4-Chlorophenyl-phenylether	204	9.778	9.778 (1.071)		1238134	80.0000	80
56 4-Nitroaniline	138	9.826	9.826 (1.076)		658955	80.0000	79
\$ 57 2,4,6-Tribromophenol	329	10.115	10.115 (1.108)		384895	80.0000	81
* 58 Phenanthrene-d10	188	11.023	11.023 (1.000)		1781156	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.853	9.853 (0.894)		462801	80.0000	84
60 N-Nitrosodiphenylamine	169	9.933	9.933 (0.901)		1874920	80.0000	80
61 1,2-Diphenylhydrazine	77	9.981	9.981 (0.905)		2558706	80.0000	80
62 4-Bromophenyl-phenylether	248	10.414	10.414 (0.945)		702677	80.0000	80
63 Hexachlorobenzene	284	10.526	10.526 (0.955)		779324	80.0000	79
64 Pentachlorophenol	266	10.777	10.777 (0.978)		483803	80.0000	81
65 Phenanthrene	178	11.055	11.055 (1.003)		3766965	80.0000	80
66 Anthracene	178	11.119	11.119 (1.009)		3823263	80.0000	81
67 Carbazole	167	11.327	11.327 (1.028)		3526851	80.0000	80
68 Di-n-Butylphthalate	149	11.749	11.749 (1.066)		4230079	80.0000	83
69 Fluoranthene	202	12.615	12.615 (1.144)		4106923	80.0000	82
70 Benzidine	184	12.786	12.786 (0.885)		570640	80.0000	45
* 71 Chrysene-d12	240	14.447	14.447 (1.000)		1687168	40.0000	
72 Pyrene	202	12.914	12.914 (0.894)		4171689	80.0000	81
\$ 73 Terphenyl-d14	244	13.090	13.090 (0.906)		2114286	80.0000	80
74 Butylbenzylphthalate	149	13.699	13.699 (0.948)		1765535	80.0000	82

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
75 3,3'-Dichlorobenzidine	252	14.399	14.399 (0.997)	1221246	80.0000		81
76 Benzo(a)Anthracene	228	14.431	14.431 (0.999)	3684312	80.0000		80
77 Bis(2-ethylhexyl)phthalate	149	14.399	14.399 (0.997)	2370245	80.0000		84
78 Chrysene	228	14.479	14.479 (1.002)	3696042	80.0000		80
* 79 Perylene-d12	264	16.499	16.499 (1.000)	1698374	40.0000		
80 Di-n-octylphthalate	149	15.206	15.206 (1.052)	4203033	80.0000		83
81 Benzo(b)fluoranthene	252	15.884	15.884 (0.963)	3850327	80.0000		90
82 Benzo(k)fluoranthene	252	15.922	15.922 (0.965)	3759948	80.0000		80
83 Benzo(a)pyrene	252	16.408	16.408 (0.994)	3288694	80.0000		84
84 Indeno(1,2,3-cd)pyrene	276	18.593	18.593 (1.287)	4291685	80.0000		81
85 Dibenzo(a,h)anthracene	278	18.614	18.614 (1.128)	3689694	80.0000		85
86 Benzo(g,h,i)perylene	276	19.239	19.239 (1.166)	3856598	80.0000		85
87 Dinoseb	211	11.001	11.001 (0.998)	545396	80.0000		74
89 Acetophenone	105	6.535	6.535 (0.890)	1675101	80.0000		79
90 Benzaldehyde	77	5.707	5.707 (0.929)	626194	80.0000		69
91 1,1'-Biphenyl	154	8.448	8.448 (0.925)	3155670	80.0000		81
92 Caprolactam	113	7.716	7.716 (1.051)	422358	80.0000		79
93 Atrazine	200	10.606	10.606 (0.962)	261421	80.0000		46
M 88 MethylPhenols,Total	100			2530176	80.0000		160

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: tb2303q.d

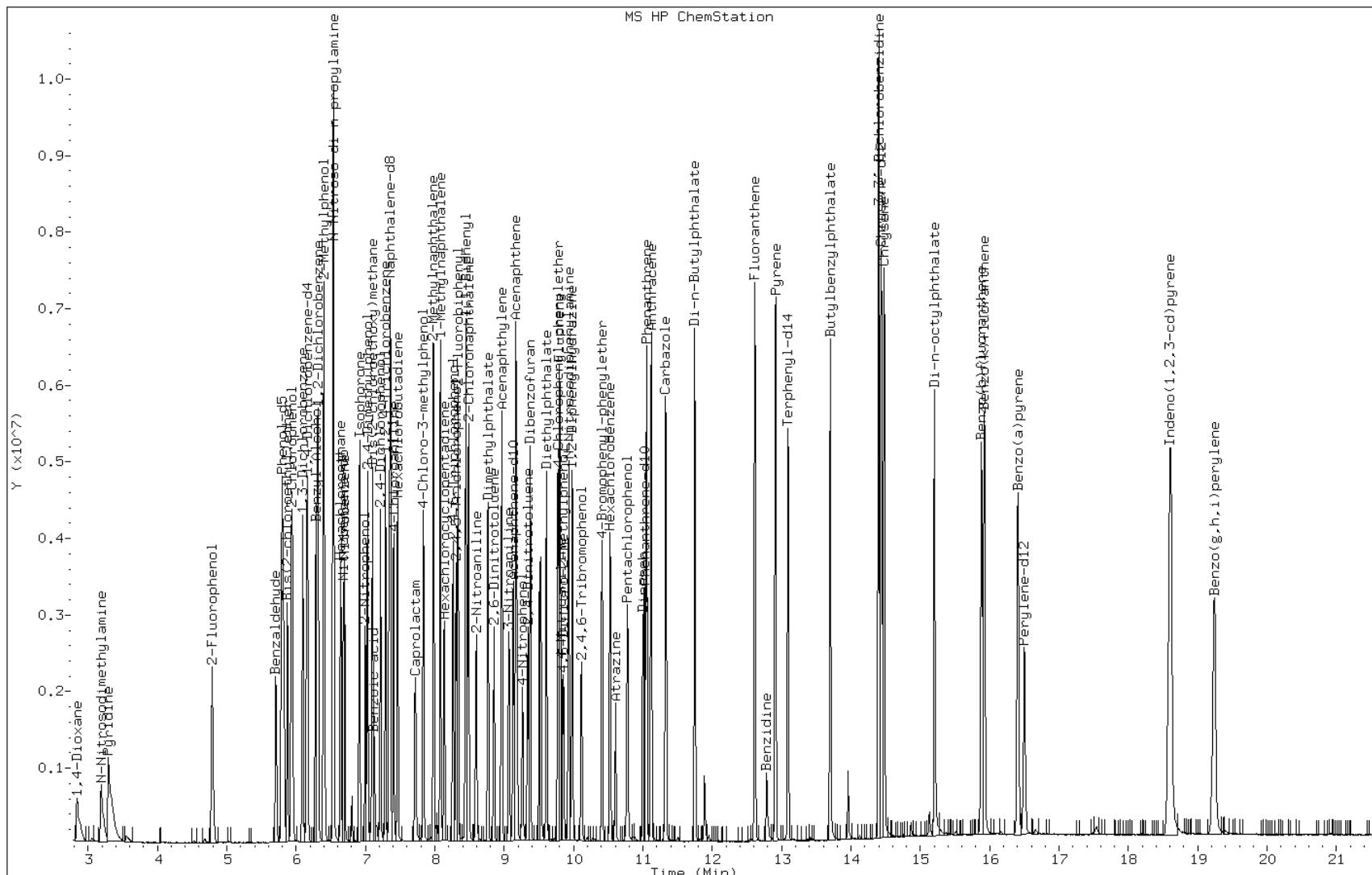
Date: 23-FEB-2013 11:17

Client ID:

Instrument: MST5973.i

Sample Info: CCVIS;2980644-BNA080-168

Operator: bb



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: ICV 680-267580/8

Calibration Date: 02/26/2013 18:29

Instrument ID: MST

Calib Start Date: 02/26/2013 15:40

GC Column: ZB5 Semiv ID: 0.25 (mm)

Calib End Date: 02/26/2013 18:01

Lab File ID: tb2609q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5984	0.5365		330	80.0	-10.3	30.0
N-Nitrosodimethylamine	Ave	0.6607	0.6001		330	80.0	-9.2	30.0
Pyridine	Ave	1.498	1.418		75.7	80.0	-5.4	30.0
Methyl Phenols, Total	Ave	2.536	1.146	0.6000	146	160	-54.8*	30.0
Benzaldehyde	Ave	0.8678	0.3627	0.0100	330	80.0	-58.2*	30.0
Phenol	Ave	1.768	1.646	0.8000	74.5	80.0	-6.9	30.0
Aniline	Ave	1.780	1.985		89.2	80.0	11.5	30.0
Bis(2-chloroethyl)ether	Ave	1.020	0.9005	0.7000	70.6	80.0	-11.7	30.0
2-Chlorophenol	Ave	1.396	1.344	0.8000	77.0	80.0	-3.8	30.0
1,3-Dichlorobenzene	Ave	1.559	1.444		74.1	80.0	-7.4	30.0
1,4-Dichlorobenzene	Ave	1.535	1.429		74.5	80.0	-6.9	30.0
Benzyl alcohol	Ave	0.9295	0.8773		75.5	80.0	-5.6	30.0
1,2-Dichlorobenzene	Ave	1.433	1.361		76.0	80.0	-5.0	30.0
2-Methylphenol	Ave	1.063	1.026	0.7000	77.2	80.0	-3.5	30.0
bis (2-chloroisopropyl) ether	Ave	1.951	1.835	0.0100	75.2	80.0	-6.0	30.0
3 & 4 Methylphenol	Ave	1.473	1.267		68.8	80.0	-13.9	30.0
Acetophenone	Ave	0.4313	0.3737	0.0100	69.3	80.0	-13.3	30.0
N-Nitrosodi-n-propylamine	Ave	0.8841	0.8178	0.5000	74.0	80.0	-7.5	30.0
Hexachloroethane	Ave	0.5718	0.5390	0.3000	75.4	80.0	-5.7	30.0
Nitrobenzene	Ave	0.3456	0.3173	0.2000	73.4	80.0	-8.2	30.0
Isophorone	Ave	0.6807	0.6075	0.4000	71.4	80.0	-10.8	30.0
2-Nitrophenol	Ave	0.1785	0.1711	0.1000	76.7	80.0	-4.1	30.0
2,4-Dimethylphenol	Ave	0.2922	0.3027	0.2000	82.9	80.0	3.6	30.0
Benzoic acid	Ave	0.2297	0.1787		1700	80.0	-22.2	30.0
Bis(2-chloroethoxy)methane	Ave	0.3934	0.3635	0.3000	73.9	80.0	-7.6	30.0
2,4-Dichlorophenol	Ave	0.2909	0.2760	0.2000	75.9	80.0	-5.1	30.0
1,2,4-Trichlorobenzene	Ave	0.3273	0.3032		74.1	80.0	-7.4	30.0
Naphthalene	Ave	0.9795	0.9289	0.7000	75.9	80.0	-5.2	30.0
4-Chloroaniline	Ave	0.3988	0.4087	0.0100	82.0	80.0	2.5	30.0
Hexachlorobutadiene	Ave	0.1874	0.1753	0.0100	74.8	80.0	-6.5	30.0
Caprolactam	Ave	0.1146	0.1054	0.0100	73.6	80.0	-8.0	30.0
4-Chloro-3-methylphenol	Ave	0.2940	0.2801	0.2000	76.2	80.0	-4.7	30.0
2-Methylnaphthalene	Ave	0.6707	0.6590	0.4000	78.6	80.0	-1.7	30.0
1-Methylnaphthalene	Ave	0.6326	0.6034		76.3	80.0	-4.6	30.0
Hexachlorocyclopentadiene	Ave	0.3311	0.2973	0.0500	71.8	80.0	-10.2	30.0
2,4,6-Trichlorophenol	Ave	0.3556	0.3392	0.2000	76.3	80.0	-4.6	30.0
2,4,5-Trichlorophenol	Ave	0.3800	0.3443	0.2000	72.5	80.0	-9.4	30.0
1,1'-Biphenyl	Ave	1.420	1.198	0.0100	330	80.0	-15.6	30.0
2-Chloronaphthalene	Ave	1.053	1.004	0.8000	76.3	80.0	-4.6	30.0
2-Nitroaniline	Ave	0.2942	0.3165	0.0100	86.0	80.0	7.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: ICV 680-267580/8

Calibration Date: 02/26/2013 18:29

Instrument ID: MST

Calib Start Date: 02/26/2013 15:40

GC Column: ZB5 Semiv ID: 0.25 (mm)

Calib End Date: 02/26/2013 18:01

Lab File ID: tb2609q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.235	1.126	0.0100	72.9	80.0	-8.8	30.0
2,6-Dinitrotoluene	Ave	0.2553	0.2589	0.2000	81.1	80.0	1.4	30.0
Acenaphthylene	Ave	1.655	1.537	0.9000	74.3	80.0	-7.1	30.0
3-Nitroaniline	Ave	0.2941	0.2942	0.0100	80.0	80.0	0.0	30.0
Acenaphthene	Ave	1.036	0.9809	0.9000	75.7	80.0	-5.4	30.0
2,4-Dinitrophenol	QuaF	0.1048	0.1113	0.0100	1700	80.0	-2.5	
4-Nitrophenol	Ave	0.2187	0.2131	0.0100	1700	80.0	-2.6	30.0
2,4-Dinitrotoluene	Ave	0.3490	0.3227	0.2000	74.0	80.0	-7.5	30.0
Dibenzofuran	Ave	1.506	1.400	0.8000	74.4	80.0	-7.0	30.0
Diethyl phthalate	Ave	1.208	1.134	0.0100	75.1	80.0	-6.2	30.0
4-Chlorophenyl phenyl ether	Ave	0.6238	0.5740	0.4000	73.6	80.0	-8.0	30.0
Fluorene	Ave	1.201	1.139	0.9000	75.9	80.0	-5.1	30.0
4-Nitroaniline	Ave	0.2967	0.2818	0.0100	76.0	80.0	-5.1	30.0
4,6-Dinitro-2-methylphenol	QuaF	0.0989	0.1016	0.0100	1700	80.0	-5.6	
N-Nitrosodiphenylamine	Ave	0.5220	0.5801	0.0100	88.9	80.0	11.1	30.0
1,2-Diphenylhydrazine (as Azobenzene)	Ave	0.6908	0.6269		72.6	80.0	-9.3	30.0
4-Bromophenyl phenyl ether	Ave	0.2175	0.1971	0.1000	72.5	80.0	-9.4	30.0
Hexachlorobenzene	Ave	0.2236	0.2050	0.1000	73.3	80.0	-8.3	30.0
Atrazine	Ave	0.1504	0.1756	0.0100	93.4	80.0	16.8	30.0
Pentachlorophenol	Ave	0.1460	0.1488	0.0500	1700	80.0	1.9	30.0
Dinoseb	QuaF	0.1245	0.1371		330	80.0	-2.5	
Phenanthren	Ave	1.048	0.999	0.7000	76.3	80.0	-4.7	30.0
Anthracene	Ave	1.063	1.026	0.7000	77.2	80.0	-3.5	30.0
Carbazole	Ave	0.9893	0.9483	0.0100	76.7	80.0	-4.1	30.0
Di-n-butyl phthalate	Ave	1.177	1.130	0.0100	76.8	80.0	-3.9	30.0
Fluoranthene	Ave	1.207	1.152	0.6000	76.4	80.0	-4.5	30.0
Benzidine	Ave	0.3912	0.5417		2700	80.0	38.4*	30.0
Pyrene	Ave	1.266	1.213	0.6000	76.6	80.0	-4.2	30.0
Butyl benzyl phthalate	Ave	0.5460	0.5105	0.0100	74.8	80.0	-6.5	30.0
3,3'-Dichlorobenzidine	Ave	0.4563	0.4314	0.0100	75.6	80.0	-5.5	30.0
Benzo[a]anthracene	Ave	1.177	1.139	0.8000	77.4	80.0	-3.2	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7009	0.6650	0.0100	75.9	80.0	-5.1	30.0
Chrysene	Ave	1.172	1.088	0.7000	74.3	80.0	-7.1	30.0
Di-n-octyl phthalate	Ave	1.292	1.257	0.0100	77.8	80.0	-2.8	30.0
Benzo[b]fluoranthene	Ave	1.058	0.9865	0.7000	74.6	80.0	-6.7	30.0
Benzo[k]fluoranthene	Ave	1.082	1.047	0.7000	77.4	80.0	-3.3	30.0
Benzo[a]pyrene	Ave	0.9486	0.9873	0.7000	83.3	80.0	4.1	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.384	1.358	0.5000	78.5	80.0	-1.9	30.0
Dibenz(a,h)anthracene	Ave	0.9875	0.9358	0.4000	75.8	80.0	-5.2	30.0
Benzo[g,h,i]perylene	Ave	1.037	0.9559	0.5000	73.7	80.0	-7.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: ICV 680-267580/8

Calibration Date: 02/26/2013 18:29

Instrument ID: MST

Calib Start Date: 02/26/2013 15:40

GC Column: ZB5 SemiV ID: 0.25 (mm)

Calib End Date: 02/26/2013 18:01

Lab File ID: tb2609q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorophenol (Surr)	Ave	1.329	1.274		76.7	80.0	-4.1	30.0
Phenol-d5 (Surr)	Ave	1.699	1.615		76.1	80.0	-4.9	30.0
Nitrobenzene-d5 (Surr)	Ave	0.3396	0.3082		72.6	80.0	-9.2	30.0
2-Fluorobiphenyl	Ave	1.167	1.080		74.0	80.0	-7.5	30.0
2,4,6-Tribromophenol (Surr)	Ave	0.1729	0.1699		78.6	80.0	-1.7	30.0
Terphenyl-d14 (Surr)	Ave	0.6997	0.8471		96.9	80.0	21.1	30.0

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022613D.b/tb2609q.d
Lab Smp Id: ICV-2980658;BNAICV-
Inj Date : 26-FEB-2013 18:29
Operator : LEG Inst ID: MST5973.i
Smp Info : ICV-2980658;BNAICV-62
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022613D.b/t-8270D-m.m
Meth Date : 27-Feb-2013 09:54 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 18:01 Cal File: tb2608q.d
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.148	6.148 (1.000)		338693	40.0000	
	2 1,4-Dioxane	88	2.820	2.820 (0.459)		363389	80.0000	72
	3 Pyridine	79	3.237	3.237 (0.526)		960406	80.0000	76
	4 N-Nitrosodimethylamine	42	3.173	3.173 (0.516)		406467	80.0000	73
\$	5 2-Fluorophenol	112	4.786	4.786 (0.778)		863238	80.0000	77
\$	6 Phenol-d5	99	5.774	5.774 (0.939)		1094133	80.0000	76
	7 Aniline	93	5.817	5.817 (0.946)		1344748	80.0000	89
	8 Phenol	94	5.785	5.785 (0.941)		1115268	80.0000	74
	9 Bis(2-chloroethyl)ether	63	5.876	5.876 (0.956)		610012	80.0000	71
10	2-Chlorophenol	128	5.940	5.940 (0.966)		910400	80.0000	77
11	1,3-Dichlorobenzene	146	6.095	6.095 (0.991)		978123	80.0000	74
12	1,4-Dichlorobenzene	146	6.164	6.164 (1.003)		967956	80.0000	74
13	Benzyl Alcohol	108	6.271	6.271 (1.020)		594245	80.0000	76
14	1,2-Dichlorobenzene	146	6.314	6.314 (1.027)		922064	80.0000	76
15	2-Methylphenol	107	6.378	6.378 (1.037)		694809	80.0000	77
16	bis (2-Chloroisopropyl) ether	45	6.405	6.405 (1.042)		1242831	80.0000	75
17	N-Nitroso-di-n-propylamine	70	6.522	6.522 (1.061)		553992	80.0000	74
18	3&4-Methylphenol	107	6.522	6.522 (1.061)		858397	80.0000	69
19	Hexachloroethane	117	6.634	6.634 (1.079)		365098	80.0000	75
*	20 Naphthalene-d8	136	7.324	7.324 (1.000)		1366275	40.0000	
\$	21 Nitrobenzene-d5	82	6.667	6.667 (0.910)		842128	80.0000	73
	22 Nitrobenzene	77	6.688	6.688 (0.913)		867094	80.0000	73
	23 Isophorone	82	6.902	6.902 (0.942)		1659969	80.0000	71
	24 2-Nitrophenol	139	6.982	6.982 (0.953)		467552	80.0000	77
	25 2,4-Dimethylphenol	122	7.008	7.008 (0.957)		827121	80.0000	83
	26 Bis(2-chloroethoxy)methane	93	7.089	7.089 (0.968)		993226	80.0000	74

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
27 Benzoic acid	105	7.089	7.089 (0.968)		488305	80.0000	62
28 2,4-Dichlorophenol	162	7.195	7.195 (0.982)		754048	80.0000	76
29 1,2,4-Trichlorobenzene	180	7.276	7.276 (0.993)		828583	80.0000	74
30 Naphthalene	128	7.345	7.345 (1.003)		2538298	80.0000	76
31 4-Chloroaniline	127	7.382	7.382 (1.008)		1116713	80.0000	82
32 Hexachlorobutadiene	225	7.452	7.452 (1.018)		479010	80.0000	75
33 4-Chloro-3-methylphenol	107	7.804	7.804 (1.066)		765292	80.0000	76
34 2-Methylnaphthalene	142	7.965	7.965 (1.088)		1800732	80.0000	79
35 1-Methylnaphthalene	142	8.061	8.061 (1.101)		1648752	80.0000	76
* 36 Acenaphthene-d10	164	9.103	9.103 (1.000)		880941	40.0000	
37 Hexachlorocyclopentadiene	237	8.125	8.125 (0.893)		523714	80.0000	72
38 2,4,6-Trichlorophenol	196	8.237	8.237 (0.905)		597628	80.0000	76
39 2,4,5-Trichlorophenol	196	8.275	8.275 (0.909)		606663	80.0000	72
\$ 40 2-Fluorobiphenyl	172	8.317	8.317 (0.914)		1901971	80.0000	74
41 2-Chloronaphthalene	162	8.462	8.462 (0.930)		1769592	80.0000	76
42 2-Nitroaniline	65	8.563	8.563 (0.941)		557541	80.0000	86
43 Dimethylphthalate	163	8.750	8.750 (0.961)		1983693	80.0000	73
44 2,6-Dinitrotoluene	165	8.825	8.825 (0.969)		456105	80.0000	81
45 Acenaphthylene	152	8.937	8.937 (0.982)		2708391	80.0000	74
46 3-Nitroaniline	138	9.028	9.028 (0.992)		518310	80.0000	80
47 Acenaphthene	154	9.145	9.145 (1.005)		1728247	80.0000	76
48 2,4-Dinitrophenol	184	9.151	9.151 (1.005)		196018	80.0000	78(Q)
49 4-Nitrophenol	65	9.204	9.204 (1.011)		375463	80.0000	78
50 Dibenzofuran	168	9.348	9.348 (1.027)		2466553	80.0000	74
51 2,4-Dinitrotoluene	165	9.306	9.306 (1.022)		568524	80.0000	74
53 Diethylphthalate	149	9.599	9.599 (1.055)		1997542	80.0000	75
54 Fluorene	166	9.776	9.776 (1.074)		2006550	80.0000	76
55 4-Chlorophenyl-phenylether	204	9.760	9.760 (1.072)		1011356	80.0000	74
56 4-Nitroaniline	138	9.781	9.781 (1.075)		496414	80.0000	76
\$ 57 2,4,6-Tribromophenol	329	10.080	10.080 (1.107)		299386	80.0000	79
* 58 Phenanthrene-d10	188	10.994	10.994 (1.000)		1556242	40.0000	
59 4,6-Dinitro-2-methylphenol	198	9.824	9.824 (0.894)		316326	80.0000	76
60 N-Nitrosodiphenylamine	169	9.909	9.909 (0.901)		1805470	80.0000	89
61 1,2-Diphenylhydrazine	77	9.963	9.963 (0.906)		1951078	80.0000	73
62 4-Bromophenyl-phenylether	248	10.395	10.395 (0.946)		613554	80.0000	72
63 Hexachlorobenzene	284	10.502	10.502 (0.955)		638021	80.0000	73
64 Pentachlorophenol	266	10.748	10.748 (0.978)		462967	80.0000	81
65 Phenanthrene	178	11.031	11.031 (1.003)		3109442	80.0000	76
66 Anthracene	178	11.095	11.095 (1.009)		3192715	80.0000	77
67 Carbazole	167	11.298	11.298 (1.028)		2951650	80.0000	77
68 Di-n-Butylphthalate	149	11.758	11.758 (1.069)		3518027	80.0000	77
69 Fluoranthene	202	12.591	12.591 (1.145)		3586466	80.0000	76
70 Benzidine	184	12.757	12.757 (0.885)		1618177	80.0000	110
* 71 Chrysene-d12	240	14.418	14.418 (1.000)		1493756	40.0000	
72 Pyrene	202	12.885	12.885 (0.894)		3622661	80.0000	77
\$ 73 Terphenyl-d14	244	13.083	13.083 (0.907)		2530717	80.0000	97
74 Butylbenzylphthalate	149	13.702	13.702 (0.950)		1525188	80.0000	75

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.370	14.370 (0.997)		1288937	80.0000	76
76 Benzo(a)Anthracene		228	14.402	14.402 (0.999)		3403689	80.0000	77
77 Bis(2-ethylhexyl)phthalate		149	14.418	14.418 (1.000)		1986643	80.0000	76
78 Chrysene		228	14.450	14.450 (1.002)		3251138	80.0000	74
* 79 Perylene-d12		264	16.432	16.432 (1.000)		1797806	40.0000	
80 Di-n-octylphthalate		149	15.230	15.230 (1.056)		3754174	80.0000	78
81 Benzo(b)fluoranthene		252	15.834	15.834 (0.964)		3547102	80.0000	75
82 Benzo(k)fluoranthene		252	15.877	15.877 (0.966)		3764434	80.0000	77
83 Benzo(a)pyrene		252	16.341	16.341 (0.994)		3549966	80.0000	83
84 Indeno(1,2,3-cd)pyrene		276	18.484	18.484 (1.282)		4057608	80.0000	78
85 Dibenzo(a,h)anthracene		278	18.521	18.521 (1.127)		3364737	80.0000	76
86 Benzo(g,h,i)perylene		276	19.109	19.109 (1.163)		3437006	80.0000	74
87 Dinoseb		211	10.983	10.983 (0.999)		426643	80.0000	78
89 Acetophenone		105	6.522	6.522 (0.891)		1021206	80.0000	69
90 Benzaldehyde		77	5.710	5.710 (0.929)		245683	80.0000	33
91 1,1'-Biphenyl		154	8.429	8.429 (0.926)		2109867	80.0000	67
92 Caprolactam		113	7.687	7.687 (1.050)		288125	80.0000	74(H)
93 Atrazine		200	10.593	10.593 (0.964)		546463	80.0000	93
M 88 MethylPhenols,Total		100				1553206	80.0000	150

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: tb2609q.d

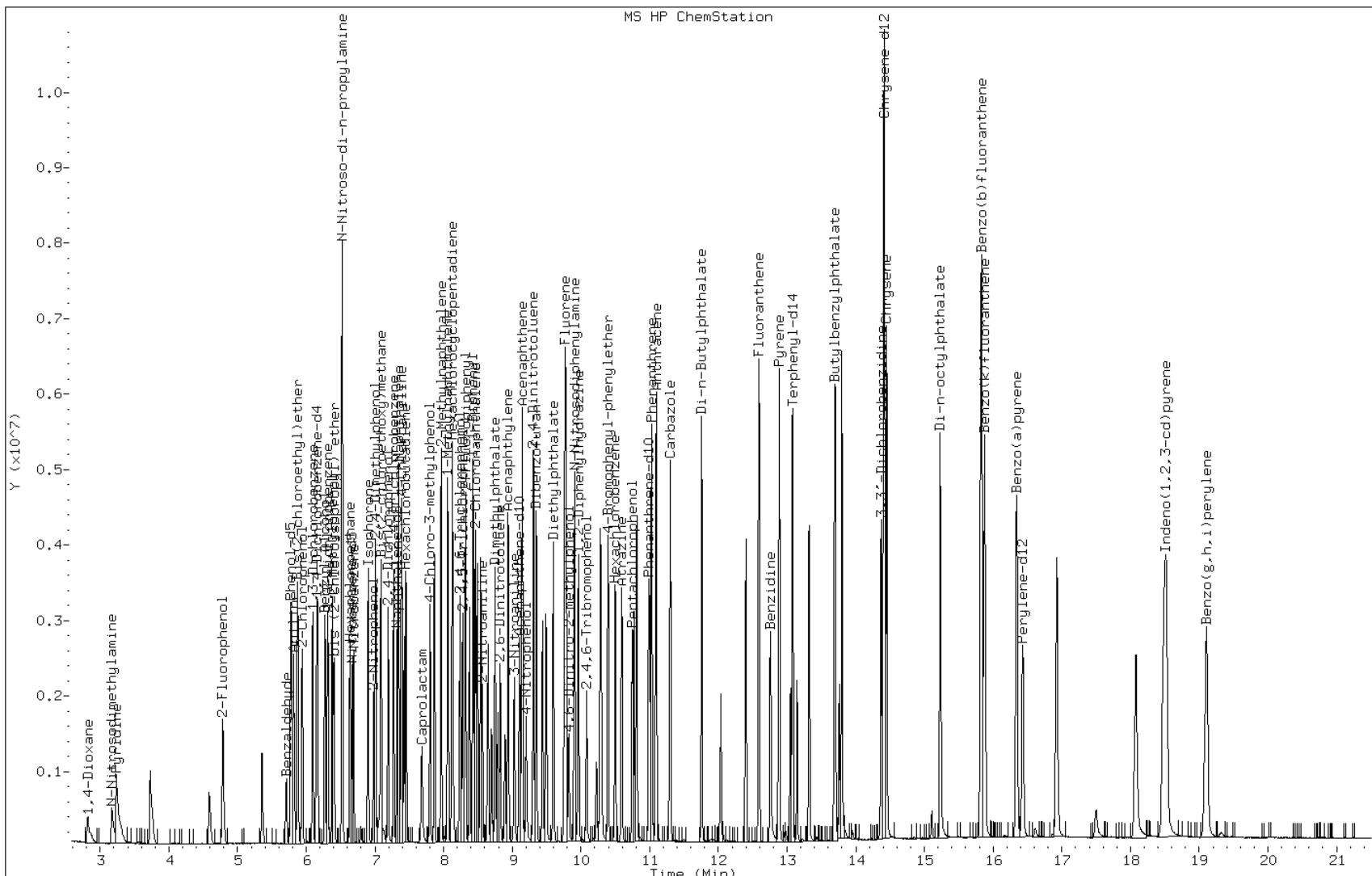
Date: 26-FEB-2013 18:29

Client ID:

Instrument: MST5973.i

Sample Info: ICV-2980658; BNAICV-62

Operator: LEG



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: CCVIS 680-267924/2

Calibration Date: 02/28/2013 01:00

Instrument ID: MST

Calib Start Date: 02/26/2013 15:40

GC Column: ZB5 Semiv ID: 0.25 (mm)

Calib End Date: 02/26/2013 18:01

Lab File ID: tb2673q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5984	0.6127		330	80.0	2.4	20.0
N-Nitrosodimethylamine	Ave	0.6607	0.6585		330	80.0	-0.3	20.0
Pyridine	Ave	1.498	1.575		84.1	80.0	5.1	20.0
Methyl Phenols, Total	Ave	2.536	1.324	0.6000	167	160	-47.8*	20.0
Benzaldehyde	Ave	0.8678	0.7257	0.0100	66.9	80.0	-16.4	20.0
Phenol	Ave	1.768	1.952	0.8000	88.3	80.0	10.4	20.0
Aniline	Ave	1.780	1.903		85.5	80.0	6.9	20.0
Bis(2-chloroethyl)ether	Ave	1.020	1.050	0.7000	82.4	80.0	3.0	20.0
2-Chlorophenol	Ave	1.396	1.469	0.8000	84.2	80.0	5.2	20.0
1,3-Dichlorobenzene	Ave	1.559	1.636		84.0	80.0	5.0	20.0
1,4-Dichlorobenzene	Ave	1.535	1.607		83.8	80.0	4.7	20.0
Benzyl alcohol	Ave	0.9295	0.9653		83.1	80.0	3.8	20.0
1,2-Dichlorobenzene	Ave	1.433	1.496		83.5	80.0	4.4	20.0
2-Methylphenol	Ave	1.063	1.117	0.7000	84.0	80.0	5.0	20.0
bis (2-chloroisopropyl) ether	Ave	1.951	1.985	0.0100	81.4	80.0	1.7	20.0
3 & 4 Methylphenol	Ave	1.473	1.531		83.2	80.0	4.0	20.0
Acetophenone	Ave	0.4313	0.4276	0.0100	79.3	80.0	-0.9	20.0
N-Nitrosodi-n-propylamine	Ave	0.8841	0.8978	0.5000	81.2	80.0	1.6	20.0
Hexachloroethane	Ave	0.5718	0.6041	0.3000	84.5	80.0	5.7	20.0
Nitrobenzene	Ave	0.3456	0.3497	0.2000	80.9	80.0	1.2	20.0
Isophorone	Ave	0.6807	0.6982	0.4000	82.1	80.0	2.6	20.0
2-Nitrophenol	Ave	0.1785	0.1921	0.1000	86.1	80.0	7.6	20.0
2,4-Dimethylphenol	Ave	0.2922	0.2987	0.2000	81.8	80.0	2.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.3934	0.4055	0.3000	82.5	80.0	3.1	20.0
Benzoic acid	Ave	0.2297	0.2151		1700	80.0	-6.3	20.0
2,4-Dichlorophenol	Ave	0.2909	0.3052	0.2000	84.0	80.0	4.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3273	0.3412		83.4	80.0	4.2	20.0
Naphthalene	Ave	0.9795	1.018	0.7000	83.1	80.0	3.9	20.0
4-Chloroaniline	Ave	0.3988	0.4211	0.0100	84.5	80.0	5.6	20.0
Hexachlorobutadiene	Ave	0.1874	0.1967	0.0100	84.0	80.0	4.9	20.0
Caprolactam	Ave	0.1146	0.1237	0.0100	86.3	80.0	7.9	20.0
4-Chloro-3-methylphenol	Ave	0.2940	0.3064	0.2000	83.4	80.0	4.2	20.0
2-Methylnaphthalene	Ave	0.6707	0.7032	0.4000	83.9	80.0	4.9	20.0
1-Methylnaphthalene	Ave	0.6326	0.6634		83.9	80.0	4.9	20.0
Hexachlorocyclopentadiene	Ave	0.3311	0.3364	0.0500	81.3	80.0	1.6	20.0
2,4,6-Trichlorophenol	Ave	0.3556	0.3663	0.2000	82.4	80.0	3.0	20.0
2,4,5-Trichlorophenol	Ave	0.3800	0.3942	0.2000	83.0	80.0	3.7	20.0
1,1'-Biphenyl	Ave	1.420	1.425	0.0100	330	80.0	0.4	20.0
2-Chloronaphthalene	Ave	1.053	1.082	0.8000	82.2	80.0	2.7	20.0
2-Nitroaniline	Ave	0.2942	0.3090	0.0100	84.0	80.0	5.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Lab Sample ID: CCVIS 680-267924/2

Calibration Date: 02/28/2013 01:00

Instrument ID: MST

Calib Start Date: 02/26/2013 15:40

GC Column: ZB5 Semiv ID: 0.25 (mm)

Calib End Date: 02/26/2013 18:01

Lab File ID: tb2673q.d

Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.235	1.272	0.0100	82.4	80.0	3.0	20.0
2,6-Dinitrotoluene	Ave	0.2553	0.2848	0.2000	89.2	80.0	11.5	20.0
Acenaphthylene	Ave	1.655	1.697	0.9000	82.0	80.0	2.5	20.0
3-Nitroaniline	Ave	0.2941	0.3163	0.0100	86.0	80.0	7.5	20.0
Acenaphthene	Ave	1.036	1.073	0.9000	82.9	80.0	3.6	20.0
2,4-Dinitrophenol	QuaF	0.1048	0.1248	0.0100	1700	80.0	8.2	
4-Nitrophenol	Ave	0.2187	0.2219	0.0100	1700	80.0	1.5	20.0
2,4-Dinitrotoluene	Ave	0.3490	0.3963	0.2000	90.8	80.0	13.6	20.0
Dibenzofuran	Ave	1.506	1.554	0.8000	82.5	80.0	3.2	20.0
Diethyl phthalate	Ave	1.208	1.231	0.0100	81.5	80.0	1.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.6238	0.6487	0.4000	83.2	80.0	4.0	20.0
Fluorene	Ave	1.201	1.228	0.9000	81.8	80.0	2.3	20.0
4-Nitroaniline	Ave	0.2967	0.3124	0.0100	84.2	80.0	5.3	20.0
4,6-Dinitro-2-methylphenol	QuaF	0.0989	0.1313	0.0100	1700	80.0	19.3	
N-Nitrosodiphenylamine	Ave	0.5220	0.5543	0.0100	84.9	80.0	6.2	20.0
1,2-Diphenylhydrazine (as Azobenzene)	Ave	0.6908	0.7052		81.7	80.0	2.1	20.0
4-Bromophenyl phenyl ether	Ave	0.2175	0.2303	0.1000	84.7	80.0	5.9	20.0
Hexachlorobenzene	Ave	0.2236	0.2370	0.1000	84.8	80.0	6.0	20.0
Atrazine	Ave	0.1504	0.1538	0.0100	81.8	80.0	2.3	20.0
Pentachlorophenol	Ave	0.1460	0.1623	0.0500	1700	80.0	11.1	20.0
Dinoseb	QuaF	0.1245	0.1779		330	80.0	23.3	
Phenanthren	Ave	1.048	1.089	0.7000	83.2	80.0	4.0	20.0
Anthracene	Ave	1.063	1.109	0.7000	83.5	80.0	4.4	20.0
Carbazole	Ave	0.9893	1.036	0.0100	83.8	80.0	4.7	20.0
Di-n-butyl phthalate	Ave	1.177	1.208	0.0100	82.2	80.0	2.7	20.0
Fluoranthene	Ave	1.207	1.243	0.6000	82.4	80.0	3.0	20.0
Benzidine	Ave	0.3912	0.3199		2700	80.0	-18.2	20.0
Pyrene	Ave	1.266	1.373	0.6000	86.8	80.0	8.5	20.0
Butyl benzyl phthalate	Ave	0.5460	0.5842	0.0100	85.6	80.0	7.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4563	0.4983	0.0100	87.3	80.0	9.2	20.0
Benzo[a]anthracene	Ave	1.177	1.239	0.8000	84.2	80.0	5.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7009	0.7385	0.0100	84.3	80.0	5.4	20.0
Chrysene	Ave	1.172	1.259	0.7000	86.0	80.0	7.4	20.0
Di-n-octyl phthalate	Ave	1.292	1.375	0.0100	85.1	80.0	6.4	20.0
Benzo[b]fluoranthene	Ave	1.058	1.139	0.7000	86.2	80.0	7.7	20.0
Benzo[k]fluoranthene	Ave	1.082	1.134	0.7000	83.9	80.0	4.8	20.0
Benzo[a]pyrene	Ave	0.9486	1.012	0.7000	85.3	80.0	6.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.384	1.475	0.5000	85.2	80.0	6.5	20.0
Dibenz(a,h)anthracene	Ave	0.9875	1.046	0.4000	84.7	80.0	5.9	20.0
Benzo[g,h,i]perylene	Ave	1.037	1.099	0.5000	84.7	80.0	5.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Lab Sample ID: CCVIS 680-267924/2 Calibration Date: 02/28/2013 01:00
Instrument ID: MST Calib Start Date: 02/26/2013 15:40
GC Column: ZB5 Semiv ID: 0.25 (mm) Calib End Date: 02/26/2013 18:01
Lab File ID: tb2673q.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorophenol (Surr)	Ave	1.329	1.419		85.4	80.0	6.7	20.0
Phenol-d5 (Surr)	Ave	1.699	1.785		84.1	80.0	5.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3396	0.3412		80.4	80.0	0.5	20.0
2-Fluorobiphenyl	Ave	1.167	1.200		82.3	80.0	2.8	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1729	0.1856		85.9	80.0	7.4	20.0
Terphenyl-d14 (Surr)	Ave	0.6997	0.7608		87.0	80.0	8.7	20.0

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/3t022613D.b/tb2673q.d
Lab Smp Id: CCVIS-2993091;BNA08
Inj Date : 28-FEB-2013 01:00
Operator : LEG Inst ID: MST5973.i
Smp Info : CCVIS-2993091;BNA080-169
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/3t022613D.b/t-8270D-m.m
Meth Date : 01-Mar-2013 12:36 gillinsl Quant Type: ISTD
Cal Date : 26-FEB-2013 21:18 Cal File: tb2615q.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	1 1,4-Dichlorobenzene-d4	152	6.143	6.143 (1.000)		494766	40.0000	
	2 1,4-Dioxane	88	2.820	2.820 (0.459)		606250	80.0000	82
	3 Pyridine	79	3.232	3.232 (0.526)		1558517	80.0000	84
	4 N-Nitrosodimethylamine	42	3.173	3.173 (0.516)		651646	80.0000	80
\$	5 2-Fluorophenol	112	4.781	4.781 (0.778)		1403806	80.0000	85
\$	6 Phenol-d5	99	5.774	5.774 (0.940)		1766104	80.0000	84
	7 Aniline	93	5.817	5.817 (0.947)		1883001	80.0000	86
	8 Phenol	94	5.785	5.785 (0.942)		1932053	80.0000	88
	9 Bis(2-chloroethyl)ether	63	5.876	5.876 (0.957)		1039199	80.0000	82
10	2-Chlorophenol	128	5.940	5.940 (0.967)		1453831	80.0000	84
11	1,3-Dichlorobenzene	146	6.090	6.090 (0.991)		1619326	80.0000	84
12	1,4-Dichlorobenzene	146	6.159	6.159 (1.003)		1589928	80.0000	84
13	Benzyl Alcohol	108	6.271	6.271 (1.021)		955188	80.0000	83
14	1,2-Dichlorobenzene	146	6.314	6.314 (1.028)		1480063	80.0000	84
15	2-Methylphenol	107	6.378	6.378 (1.038)		1104978	80.0000	84
16	bis (2-Chloroisopropyl) ether	45	6.399	6.399 (1.042)		1964230	80.0000	81
17	N-Nitroso-di-n-propylamine	70	6.522	6.522 (1.062)		888380	80.0000	81
18	3&4-Methylphenol	107	6.522	6.522 (1.062)		1515300	80.0000	83
19	Hexachloroethane	117	6.635	6.635 (1.080)		597784	80.0000	85
*	20 Naphthalene-d8	136	7.324	7.324 (1.000)		2042820	40.0000	
\$	21 Nitrobenzene-d5	82	6.667	6.667 (0.910)		1394132	80.0000	80
	22 Nitrobenzene	77	6.688	6.688 (0.913)		1428540	80.0000	81
	23 Isophorone	82	6.902	6.902 (0.942)		2852501	80.0000	82
	24 2-Nitrophenol	139	6.976	6.976 (0.953)		784917	80.0000	86
	25 2,4-Dimethylphenol	122	7.008	7.008 (0.957)		1220197	80.0000	82
	26 Bis(2-chloroethoxy)methane	93	7.089	7.089 (0.968)		1656770	80.0000	82

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
27 Benzoic acid		105	7.105	7.105 (0.970)		878909	80.0000	75
28 2,4-Dichlorophenol		162	7.190	7.190 (0.982)		1247104	80.0000	84
29 1,2,4-Trichlorobenzene		180	7.270	7.270 (0.993)		1393848	80.0000	83
30 Naphthalene		128	7.340	7.340 (1.002)		4158005	80.0000	83
31 4-Chloroaniline		127	7.382	7.382 (1.008)		1720621	80.0000	84
32 Hexachlorobutadiene		225	7.452	7.452 (1.018)		803580	80.0000	84
33 4-Chloro-3-methylphenol		107	7.804	7.804 (1.066)		1251758	80.0000	83
34 2-Methylnaphthalene		142	7.959	7.959 (1.087)		2872991	80.0000	84
35 1-Methylnaphthalene		142	8.061	8.061 (1.101)		2710474	80.0000	84
* 36 Acenaphthene-d10		164	9.103	9.103 (1.000)		1298918	40.0000	
37 Hexachlorocyclopentadiene		237	8.120	8.120 (0.892)		873955	80.0000	81
38 2,4,6-Trichlorophenol		196	8.237	8.237 (0.905)		951544	80.0000	82
39 2,4,5-Trichlorophenol		196	8.275	8.275 (0.909)		1024077	80.0000	83
\$ 40 2-Fluorobiphenyl		172	8.317	8.317 (0.914)		3116953	80.0000	82
41 2-Chloronaphthalene		162	8.462	8.462 (0.930)		2810355	80.0000	82
42 2-Nitroaniline		65	8.558	8.558 (0.940)		802787	80.0000	84
43 Dimethylphthalate		163	8.745	8.745 (0.961)		3303662	80.0000	82
44 2,6-Dinitrotoluene		165	8.825	8.825 (0.969)		739741	80.0000	89
45 Acenaphthylene		152	8.937	8.937 (0.982)		4408078	80.0000	82
46 3-Nitroaniline		138	9.028	9.028 (0.992)		821810	80.0000	86
47 Acenaphthene		154	9.140	9.140 (1.004)		2788651	80.0000	83
48 2,4-Dinitrophenol		184	9.145	9.145 (1.005)		324263	80.0000	87(Q)
49 4-Nitrophenol		65	9.204	9.204 (1.011)		576426	80.0000	81
50 Dibenzofuran		168	9.348	9.348 (1.027)		4036523	80.0000	83
51 2,4-Dinitrotoluene		165	9.306	9.306 (1.022)		1029474	80.0000	91
53 Diethylphthalate		149	9.594	9.594 (1.054)		3198314	80.0000	82
54 Fluorene		166	9.776	9.776 (1.074)		3189482	80.0000	82
55 4-Chlorophenyl-phenylether		204	9.754	9.754 (1.072)		1685253	80.0000	83
56 4-Nitroaniline		138	9.786	9.786 (1.075)		811467	80.0000	84
\$ 57 2,4,6-Tribromophenol		329	10.080	10.080 (1.107)		482247	80.0000	86
* 58 Phenanthrene-d10		188	10.994	10.994 (1.000)		2230068	40.0000	
59 4,6-Dinitro-2-methylphenol		198	9.824	9.824 (0.894)		585793	80.0000	95
60 N-Nitrosodiphenylamine		169	9.904	9.904 (0.901)		2472128	80.0000	85
61 1,2-Diphenylhydrazine		77	9.963	9.963 (0.906)		3145186	80.0000	82
62 4-Bromophenyl-phenylether		248	10.390	10.390 (0.945)		1027196	80.0000	85
63 Hexachlorobenzene		284	10.497	10.497 (0.955)		1057200	80.0000	85
64 Pentachlorophenol		266	10.743	10.743 (0.977)		723949	80.0000	89
65 Phenanthrene		178	11.026	11.026 (1.003)		4857757	80.0000	83
66 Anthracene		178	11.090	11.090 (1.009)		4946679	80.0000	83
67 Carbazole		167	11.298	11.298 (1.028)		4621312	80.0000	84
68 Di-n-Butylphthalate		149	11.752	11.752 (1.069)		5389888	80.0000	82
69 Fluoranthene		202	12.586	12.586 (1.145)		5543943	80.0000	82
70 Benzidine		184	12.751	12.751 (0.885)		1298382	80.0000	65
* 71 Chrysene-d12		240	14.413	14.413 (1.000)		2029669	40.0000	
72 Pyrene		202	12.880	12.880 (0.894)		5573800	80.0000	87
\$ 73 Terphenyl-d14		244	13.077	13.077 (0.907)		3088235	80.0000	87
74 Butylbenzylphthalate		149	13.697	13.697 (0.950)		2371507	80.0000	86

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	=====	=====	=====	=====	=====	=====	
75 3,3'-Dichlorobenzidine		252	14.365	14.365 (0.997)		2022571	80.0000	87
76 Benzo(a)Anthracene		228	14.402	14.402 (0.999)		5030587	80.0000	84
77 Bis(2-ethylhexyl)phthalate		149	14.413	14.413 (1.000)		2997599	80.0000	84
78 Chrysene		228	14.445	14.445 (1.002)		5110641	80.0000	86
* 79 Perylene-d12		264	16.422	16.422 (1.000)		2407295	40.0000	
80 Di-n-octylphthalate		149	15.220	15.220 (1.056)		5581803	80.0000	85
81 Benzo(b)fluoranthene		252	15.829	15.829 (0.964)		5485850	80.0000	86
82 Benzo(k)fluoranthene		252	15.866	15.866 (0.966)		5461982	80.0000	84
83 Benzo(a)pyrene		252	16.336	16.336 (0.995)		4870004	80.0000	85
84 Indeno(1,2,3-cd)pyrene		276	18.478	18.478 (1.282)		5986675	80.0000	85
85 Dibenzo(a,h)anthracene		278	18.510	18.510 (1.127)		5034872	80.0000	85
86 Benzo(g,h,i)perylene		276	19.103	19.103 (1.163)		5289301	80.0000	85
87 Dinoseb		211	10.978	10.978 (0.999)		793491	80.0000	99
89 Acetophenone		105	6.522	6.522 (0.891)		1746891	80.0000	79
90 Benzaldehyde		77	5.705	5.705 (0.929)		718111	80.0000	67
91 1,1'-Biphenyl		154	8.424	8.424 (0.925)		3702666	80.0000	80
92 Caprolactam		113	7.692	7.692 (1.050)		505451	80.0000	86
93 Atrazine		200	10.588	10.588 (0.963)		686078	80.0000	82
M 88 MethylPhenols,Total		100				2620278	80.0000	170

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: tb2673q.d

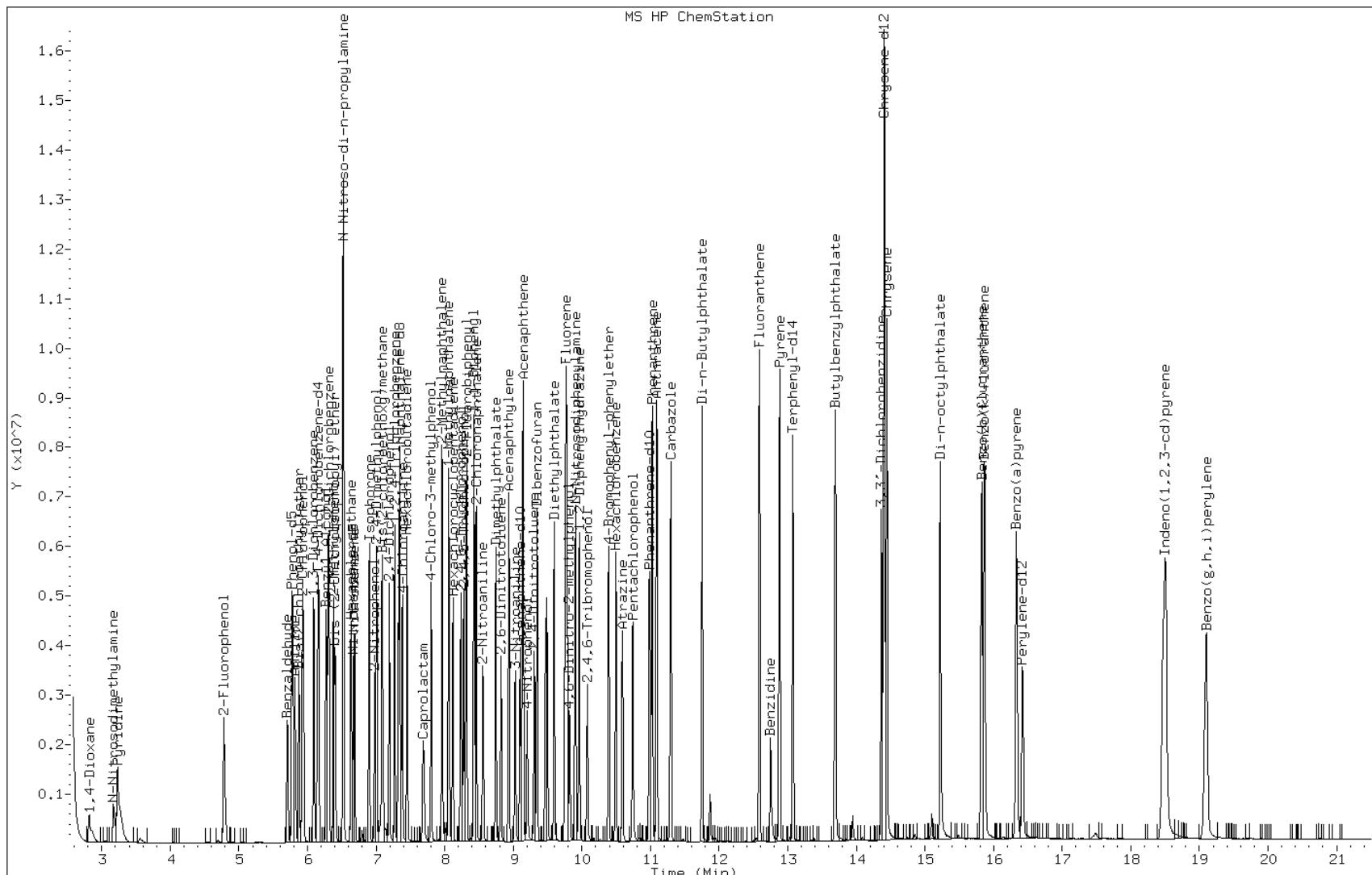
Date: 28-FEB-2013 01:00

Client ID:

Instrument: MST5973.i

Sample Info: CCVIS-2993091;BNA080-169

Operator: LEG



TESTAMERICA SAVANNAH

Data file : /chem/SM/MST5973.i/1t022213D.b/tb2207t.d
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 22-FEB-2013 13:38
Operator : BB Inst ID: MST5973.i
Smp Info : DFTPP-2966302;050-73
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022213D.b/t-dftpp8270D.m
Meth Date : 15-Feb-2013 15:01 gillinsl Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5		
5.697	5.830	-0.133	198	214720	0.00- 100.00	100.00	
5.697	5.830	-0.133	51	80528	30.00- 80.00	37.50	
5.697	5.830	-0.133	68	0	0.00- 2.00	0.00	
5.697	5.830	-0.133	69	64696	0.00- 0.00	30.13	
5.697	5.830	-0.133	70	375	0.00- 2.00	0.58	
5.697	5.830	-0.133	127	87896	25.00- 75.00	40.94	
5.697	5.830	-0.133	197	0	0.00- 1.00	0.00	
5.697	5.830	-0.133	199	13444	5.00- 9.00	6.26	
5.697	5.830	-0.133	275	49840	10.00- 30.00	23.21	
5.697	5.830	-0.133	365	5821	0.75- 0.00	2.71	
5.697	5.830	-0.133	441	30032	0.01- 99.90	77.47	
5.697	5.830	-0.133	442	201536	40.00- 110.00	93.86	
5.697	5.830	-0.133	443	38768	15.00- 24.00	19.24	

Data File: tb2207t.d

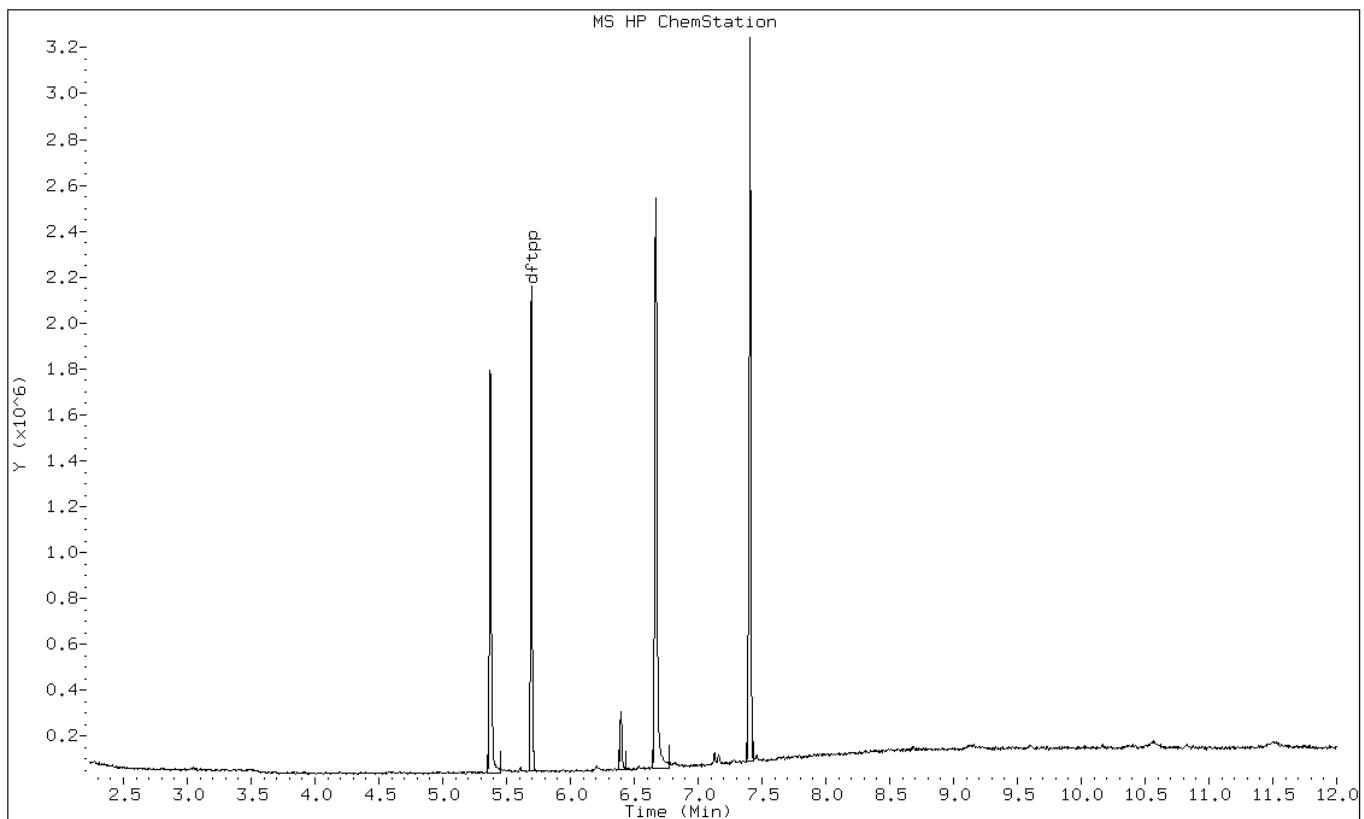
Date: 22-FEB-2013 13:38

Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: BB



Data File: tb2207t.d

Date: 22-FEB-2013 13:38

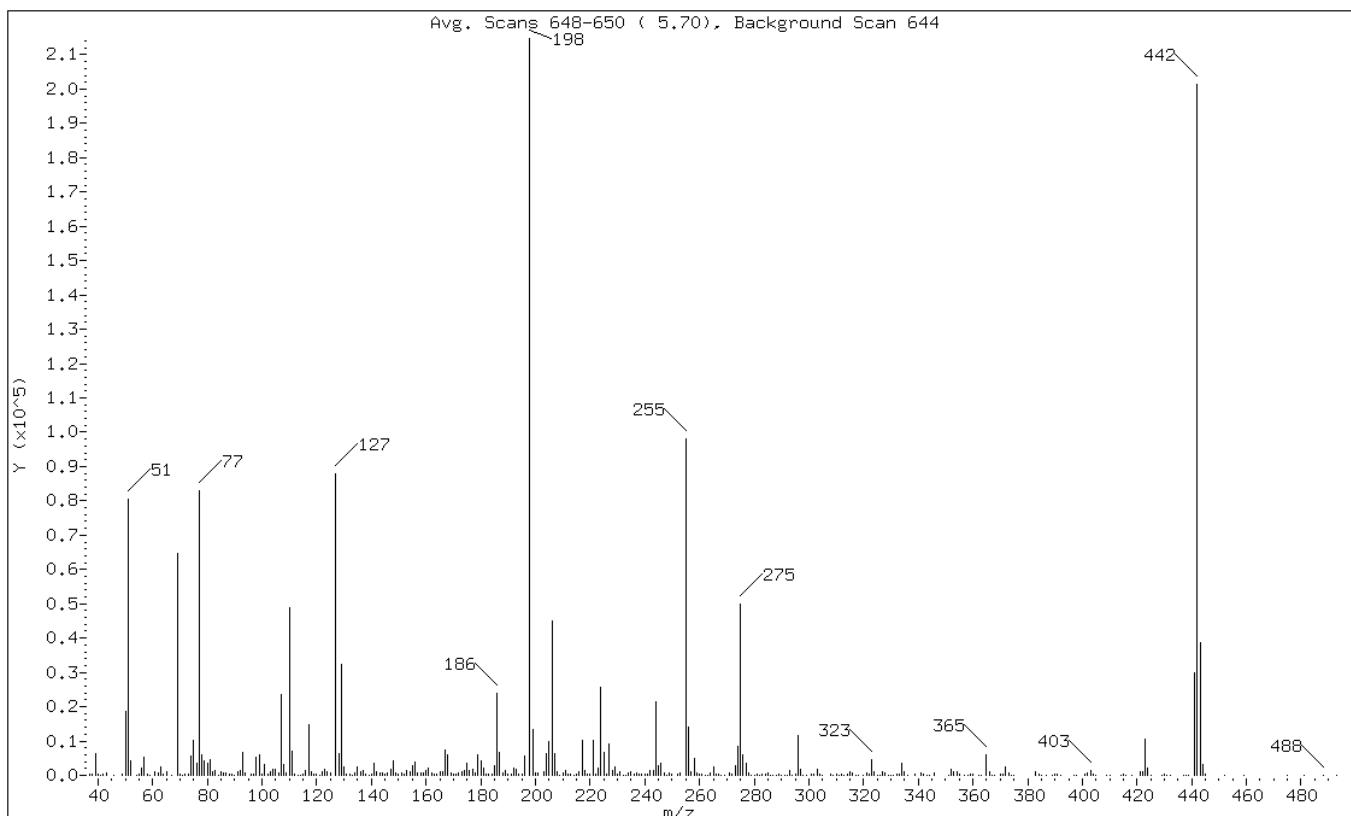
Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: BB

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	37.50
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	30.13
70	Less than 2.00% of mass 69	0.17 (0.58)
127	25.00 - 75.00% of mass 198	40.94
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.26
275	10.00 - 30.00% of mass 198	23.21
365	Greater than 0.75% of mass 198	2.71
441	0.01 - 99.90% of mass 443	13.99 (77.47)
442	40.00 - 110.00% of mass 198	93.86
443	15.00 - 24.00% of mass 442	18.06 (19.24)

Data File: tb2207t.d

Date: 22-FEB-2013 13:38

Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: BB

Data File: /chem/SM/MST5973.i/1t022213D.b/tb2207t.d

Spectrum: Avg. Scans 648-650 (5.70), Background Scan 644

Location of Maximum: 198.00

Number of points: 352

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	378	136.00	947	227.00	9204	323.00	4411
38.00	491	137.00	1485	228.00	1252	324.00	1156
39.00	6355	138.00	200	229.00	2317	325.00	54
40.00	181	139.00	72	230.00	180	326.00	52
41.00	149	140.00	330	231.00	1150	327.00	982
42.00	265	141.00	3583	232.00	153	328.00	574
43.00	541	142.00	1000	233.00	46	329.00	171
46.00	33	143.00	754	234.00	631	330.00	34
49.00	269	144.00	542	235.00	1067	331.00	40
50.00	18744	145.00	380	236.00	428	332.00	294
51.00	80528	146.00	591	237.00	786	333.00	352
52.00	4238	147.00	1896	238.00	248	334.00	3385
54.00	34	148.00	4082	239.00	478	335.00	884
55.00	444	149.00	649	240.00	374	336.00	139
56.00	2008	150.00	322	241.00	509	339.00	198
57.00	5179	151.00	535	242.00	1268	341.00	688
58.00	225	152.00	359	243.00	1267	342.00	201
59.00	8	153.00	1381	244.00	21376	343.00	64
61.00	1003	154.00	957	245.00	2828	344.00	49
62.00	852	155.00	2844	246.00	3439	346.00	661
63.00	2619	156.00	3913	247.00	822	351.00	132
64.00	290	157.00	786	248.00	76	352.00	1584
65.00	1191	158.00	764	249.00	571	353.00	1217
67.00	82	159.00	708	250.00	177	354.00	1160
69.00	64696	160.00	1346	252.00	185	355.00	183
70.00	375	161.00	2046	253.00	563	357.00	52
71.00	14	162.00	574	255.00	98072	358.00	41
72.00	234	163.00	242	256.00	14062	359.00	206
73.00	500	164.00	406	257.00	938	360.00	205
74.00	5773	165.00	1218	258.00	5008	362.00	49
75.00	10292	166.00	1034	259.00	806	363.00	41
76.00	3533	167.00	7543	260.00	187	365.00	5821
77.00	82904	168.00	6146	261.00	320	366.00	1196
78.00	5872	169.00	666	262.00	50	367.00	56
79.00	4103	170.00	520	263.00	113	368.00	37
80.00	3593	171.00	466	264.00	539	370.00	249
81.00	4702	172.00	755	265.00	2309	371.00	340
82.00	1119	173.00	907	266.00	219	372.00	2579
83.00	1309	174.00	1571	267.00	393	373.00	677
84.00	112	175.00	3346	268.00	61	374.00	45

85.00	973	176.00	1322	269.00	113	375.00	34
86.00	834	177.00	1591	271.00	533	383.00	901
87.00	565	178.00	770	272.00	416	384.00	321
88.00	424	179.00	6077	273.00	2795	385.00	54
89.00	271	180.00	4165	274.00	8271	387.00	86
90.00	3	181.00	2148	275.00	49840	389.00	45
91.00	1023	182.00	322	276.00	5817	390.00	369
92.00	1445	183.00	286	277.00	3498	391.00	334
93.00	6579	184.00	492	278.00	865	392.00	125
94.00	678	185.00	2681	279.00	90	397.00	136
96.00	241	186.00	23776	280.00	96	398.00	66
97.00	463	187.00	6674	281.00	248	401.00	257
98.00	5349	188.00	684	282.00	145	402.00	851
99.00	5860	189.00	1340	283.00	485	403.00	1411
100.00	443	190.00	232	284.00	261	404.00	436
101.00	3279	191.00	460	285.00	807	405.00	57
102.00	182	192.00	2218	286.00	97	409.00	42
103.00	895	193.00	1828	287.00	33	410.00	109
104.00	1605	194.00	217	288.00	39	414.00	37
105.00	1658	195.00	293	289.00	317	415.00	287
106.00	531	196.00	5683	290.00	38	416.00	52
107.00	23464	198.00	214720	291.00	123	418.00	37
108.00	3324	199.00	13444	292.00	141	421.00	1175
109.00	561	200.00	737	293.00	1488	422.00	1128
110.00	48968	201.00	847	294.00	136	423.00	10441
111.00	7171	203.00	986	295.00	421	424.00	2154
112.00	515	204.00	6151	296.00	11505	425.00	151
113.00	65	205.00	9821	297.00	1583	429.00	35
114.00	162	206.00	44920	298.00	149	430.00	220
115.00	216	207.00	6340	299.00	44	431.00	33
116.00	1237	208.00	1213	301.00	314	432.00	54
117.00	14696	209.00	13	302.00	276	437.00	47
118.00	1158	210.00	570	303.00	1649	438.00	36
119.00	186	211.00	1485	304.00	314	439.00	58
120.00	223	212.00	390	305.00	74	441.00	30032
121.00	73	213.00	271	308.00	377	442.00	201536
122.00	1086	214.00	51	309.00	150	443.00	38768
123.00	1867	215.00	497	310.00	303	444.00	3266
124.00	935	216.00	879	311.00	127	445.00	229
125.00	736	217.00	10021	312.00	180	452.00	61
127.00	87896	218.00	1362	313.00	156	459.00	56
128.00	6465	219.00	259	314.00	469	475.00	36
129.00	32232	220.00	179	315.00	1107	481.00	41
130.00	2487	221.00	10106	316.00	804	488.00	79
131.00	428	222.00	445	317.00	75	493.00	44
132.00	237	223.00	2166	318.00	34		
133.00	97	224.00	25752	320.00	44		
134.00	724	225.00	6749	321.00	533		
135.00	2505	226.00	234	322.00	208		

TESTAMERICA SAVANNAH

Data file : /chem/SM/MST5973.i/1t022313D.b/tb2302t.d
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 23-FEB-2013 10:59
Operator : BB Inst ID: MST5973.i
Smp Info : DFTPP-2966302;050-73
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022313D.b/t-dftpp8270D.m
Meth Date : 15-Feb-2013 15:01 gillinsl Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5		
5.708	5.830	-0.122	198	277824	0.00- 100.00	100.00	
5.708	5.830	-0.122	51	115776	30.00- 80.00	41.67	
5.708	5.830	-0.122	68	295	0.00- 2.00	0.31	
5.708	5.830	-0.122	69	93744	0.00- 0.00	33.74	
5.708	5.830	-0.122	70	553	0.00- 2.00	0.59	
5.708	5.830	-0.122	127	123280	25.00- 75.00	44.37	
5.708	5.830	-0.122	197	210	0.00- 1.00	0.08	
5.708	5.830	-0.122	199	19272	5.00- 9.00	6.94	
5.708	5.830	-0.122	275	57376	10.00- 30.00	20.65	
5.708	5.830	-0.122	365	5776	0.75- 0.00	2.08	
5.708	5.830	-0.122	441	30592	0.01- 99.90	77.66	
5.708	5.830	-0.122	442	203136	40.00- 110.00	73.12	
5.708	5.830	-0.122	443	39392	15.00- 24.00	19.39	

Data File: tb2302t.d

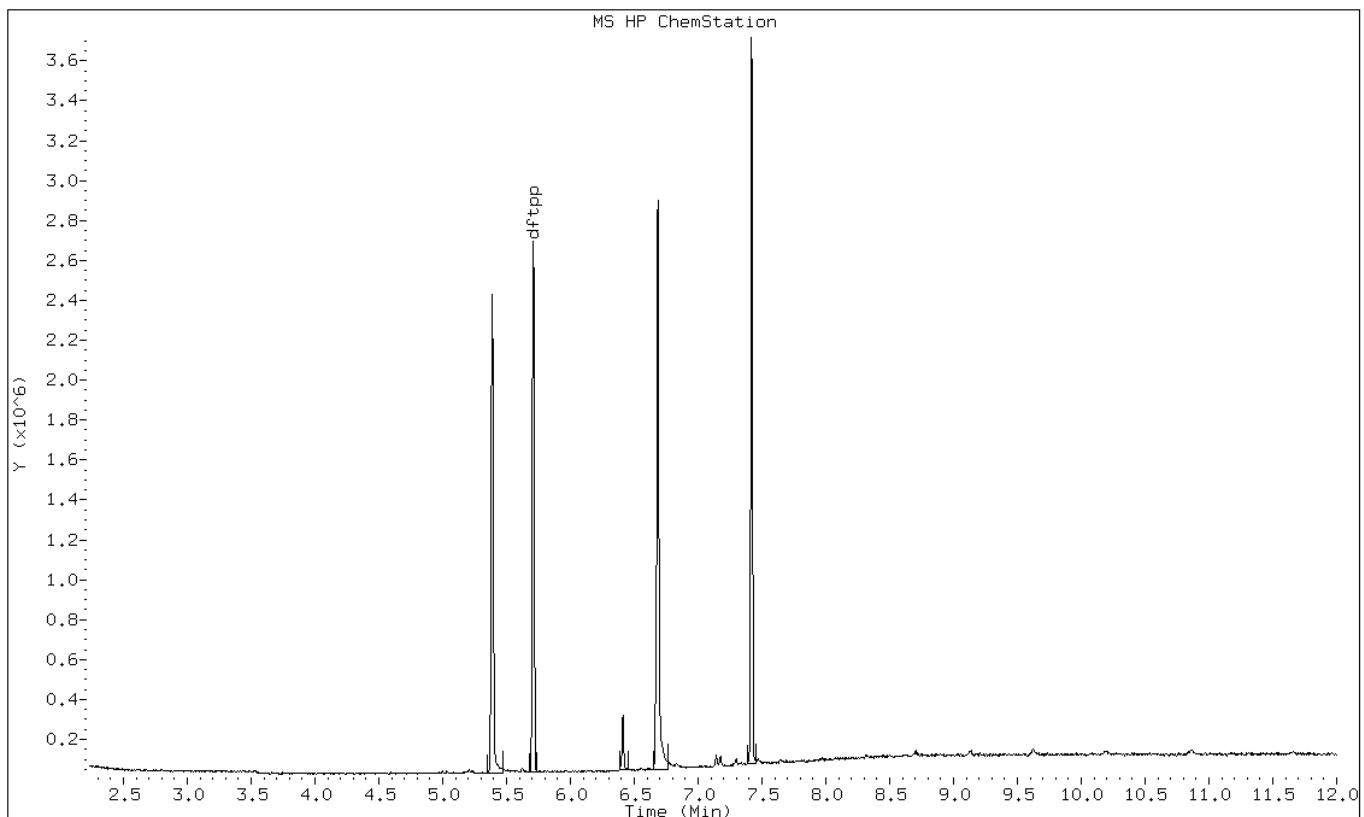
Date: 23-FEB-2013 10:59

Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: BB



Data File: tb2302t.d

Date: 23-FEB-2013 10:59

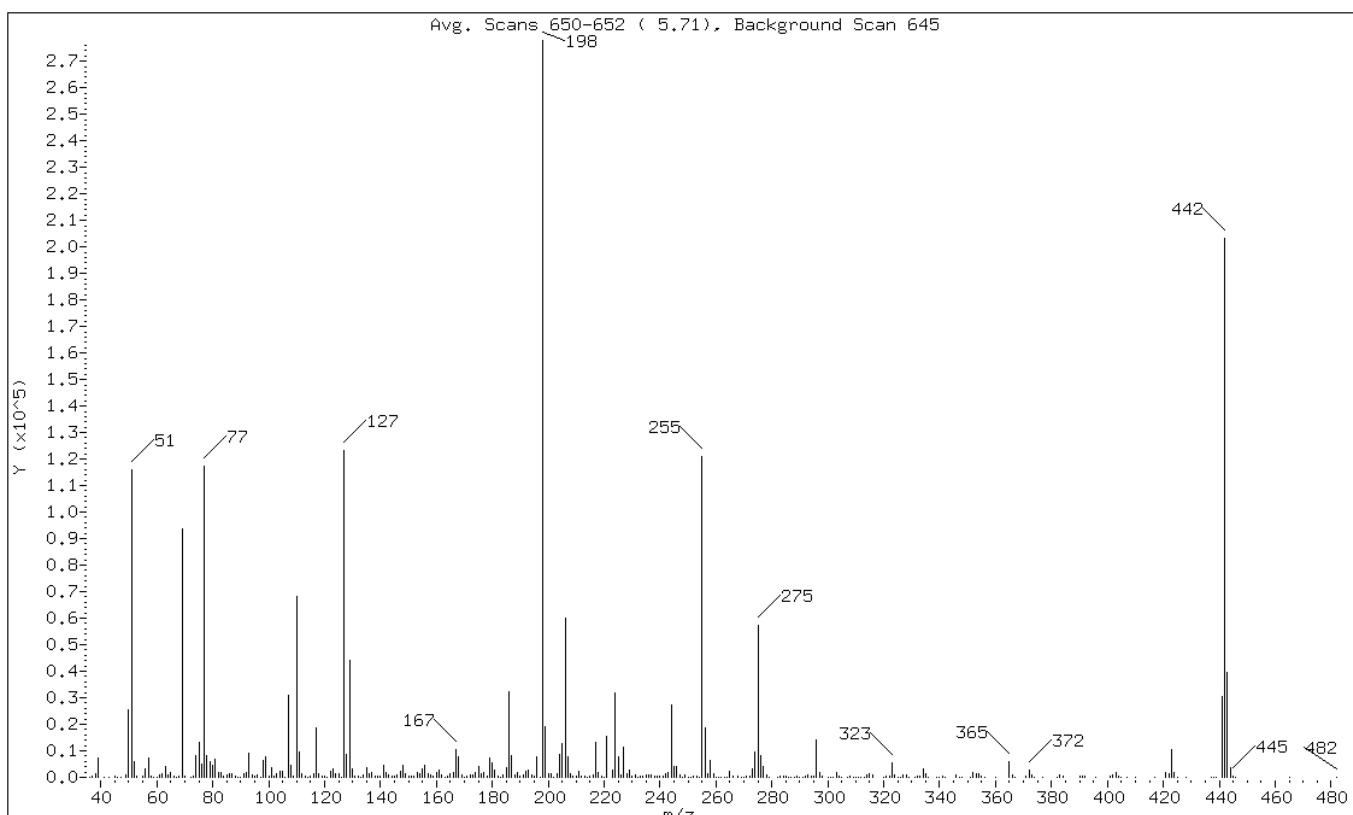
Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: BB

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	41.67
68	Less than 2.00% of mass 69	0.11 (0.31)
69	Mass 69 relative abundance	33.74
70	Less than 2.00% of mass 69	0.20 (0.59)
127	25.00 - 75.00% of mass 198	44.37
197	Less than 1.00% of mass 198	0.08
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 30.00% of mass 198	20.65
365	Greater than 0.75% of mass 198	2.08
441	0.01 - 99.90% of mass 443	11.01 (77.66)
442	40.00 - 110.00% of mass 198	73.12
443	15.00 - 24.00% of mass 442	14.18 (19.39)

Data File: tb2302t.d

Date: 23-FEB-2013 10:59

Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: BB

Data File: /chem/SM/MST5973.i/1t022313D.b/tb2302t.d

Spectrum: Avg. Scans 650-652 (5.71), Background Scan 645

Location of Maximum: 198.00

Number of points: 339

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	97	127.00	123280	212.00	293	302.00	178
37.00	471	128.00	8604	213.00	236	303.00	1625
38.00	1337	129.00	44008	214.00	47	304.00	447
39.00	7278	130.00	3396	215.00	660	305.00	217
41.00	108	131.00	434	216.00	1096	307.00	60
43.00	14	132.00	373	217.00	13239	308.00	259
45.00	308	133.00	190	218.00	1691	309.00	41
46.00	120	134.00	1112	219.00	324	310.00	175
47.00	204	135.00	3850	220.00	80	311.00	142
49.00	789	136.00	1199	221.00	15453	312.00	54
50.00	25632	137.00	1916	223.00	2930	313.00	201
51.00	115776	138.00	539	224.00	31712	314.00	753
52.00	6022	139.00	243	225.00	7906	315.00	1324
53.00	440	140.00	282	226.00	975	316.00	795
55.00	456	141.00	4595	227.00	11426	320.00	98
56.00	3150	142.00	1878	228.00	1497	321.00	536
57.00	7388	143.00	927	229.00	2541	322.00	370
58.00	428	144.00	554	230.00	653	323.00	5591
59.00	124	145.00	256	231.00	991	324.00	897
60.00	178	146.00	924	232.00	218	325.00	71
61.00	1059	147.00	2346	233.00	355	326.00	120
62.00	1460	148.00	4736	234.00	574	327.00	904
63.00	4024	149.00	1245	235.00	817	328.00	698
64.00	686	150.00	312	236.00	726	329.00	93
65.00	1925	151.00	677	237.00	1117	331.00	61
66.00	296	152.00	383	238.00	238	332.00	403
67.00	86	153.00	1637	239.00	435	333.00	632
68.00	295	154.00	1554	240.00	247	334.00	3199
69.00	93744	155.00	3225	241.00	630	335.00	1141
70.00	553	156.00	4537	242.00	1591	336.00	66
72.00	153	157.00	1347	243.00	1696	339.00	158
73.00	463	158.00	831	244.00	27240	340.00	98
74.00	8198	159.00	468	245.00	3992	341.00	557
75.00	13217	160.00	1641	246.00	4259	342.00	202
76.00	4852	161.00	2883	247.00	848	346.00	1087
77.00	117504	162.00	920	248.00	109	347.00	225
78.00	8004	163.00	194	249.00	687	348.00	75
79.00	5769	164.00	294	250.00	139	351.00	97
80.00	4586	165.00	1381	251.00	165	352.00	1612
81.00	6666	166.00	1873	252.00	365	353.00	1334

82.00	1648	167.00	10293	253.00	365	354.00	1239
83.00	1984	168.00	7817	254.00	133	355.00	430
84.00	492	169.00	1035	255.00	120928	356.00	36
85.00	1123	170.00	135	256.00	18416	360.00	101
86.00	1587	171.00	622	257.00	1176	365.00	5776
87.00	1326	172.00	1117	258.00	6315	366.00	836
88.00	519	173.00	993	259.00	1145	367.00	96
89.00	115	174.00	1810	260.00	100	371.00	369
90.00	83	175.00	4225	261.00	95	372.00	2660
91.00	1276	176.00	1424	262.00	42	373.00	858
92.00	1808	177.00	1884	263.00	95	374.00	155
93.00	9021	178.00	625	264.00	149	377.00	59
94.00	940	179.00	7106	265.00	2121	382.00	39
95.00	230	180.00	5329	266.00	451	383.00	926
96.00	727	181.00	2775	268.00	256	384.00	234
97.00	202	182.00	602	269.00	46	390.00	402
98.00	6325	183.00	165	270.00	209	391.00	250
99.00	7832	184.00	689	271.00	437	392.00	275
100.00	566	185.00	3618	272.00	324	396.00	33
101.00	3651	186.00	32096	273.00	3270	401.00	289
102.00	229	187.00	7968	274.00	9358	402.00	1095
103.00	1281	188.00	917	275.00	57376	403.00	1674
104.00	2311	189.00	1997	276.00	8368	404.00	669
105.00	2064	190.00	477	277.00	3895	405.00	178
106.00	47	191.00	731	278.00	838	407.00	53
107.00	31024	192.00	2377	279.00	85	410.00	119
108.00	4468	193.00	2917	282.00	180	417.00	38
109.00	582	194.00	849	283.00	600	421.00	1616
110.00	68192	195.00	540	284.00	384	422.00	1266
111.00	9656	196.00	7587	285.00	654	423.00	10354
112.00	1168	197.00	210	286.00	224	424.00	2006
113.00	504	198.00	277824	287.00	35	425.00	226
114.00	97	199.00	19272	288.00	81	428.00	38
115.00	287	200.00	1161	289.00	253	437.00	77
116.00	1564	201.00	1222	290.00	136	438.00	119
117.00	18416	202.00	53	291.00	169	439.00	47
118.00	1200	203.00	1428	292.00	288	441.00	30592
119.00	329	204.00	8445	293.00	943	442.00	203136
120.00	380	205.00	12619	294.00	355	443.00	39392
121.00	176	206.00	60024	295.00	277	444.00	3847
122.00	2080	207.00	7716	296.00	13895	445.00	237
123.00	3139	208.00	1430	297.00	1989	446.00	46
124.00	1369	209.00	560	298.00	232	465.00	64
125.00	1513	210.00	653	300.00	204	482.00	37
126.00	107	211.00	2057	301.00	224		

TESTAMERICA SAVANNAH

Data file : /chem/SM/MST5973.i/1t022613D.b/tb2602t.d
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 26-FEB-2013 15:21
Operator : LEG Inst ID: MST5973.i
Smp Info : DFTPP-2966302;050-73
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022613D.b/t-dftpp8270D.m
Meth Date : 26-Feb-2013 15:26 boyukb Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5		
5.707	5.707	0.000	198	245354	0.00- 100.00	100.00	
5.707	5.707	0.000	51	80799	30.00- 80.00	32.93	
5.707	5.707	0.000	68	0	0.00- 2.00	0.00	
5.707	5.707	0.000	69	80412	0.00- 0.00	32.77	
5.707	5.707	0.000	70	388	0.00- 2.00	0.48	
5.707	5.707	0.000	127	104609	25.00- 75.00	42.64	
5.707	5.707	0.000	197	0	0.00- 1.00	0.00	
5.707	5.707	0.000	199	16622	5.00- 9.00	6.77	
5.707	5.707	0.000	275	59792	10.00- 30.00	24.37	
5.707	5.707	0.000	365	7894	0.75- 0.00	3.22	
5.707	5.707	0.000	441	24658	0.01- 99.90	73.67	
5.707	5.707	0.000	442	175370	40.00- 110.00	71.48	
5.707	5.707	0.000	443	33469	15.00- 24.00	19.08	

Data File: tb2602t.d

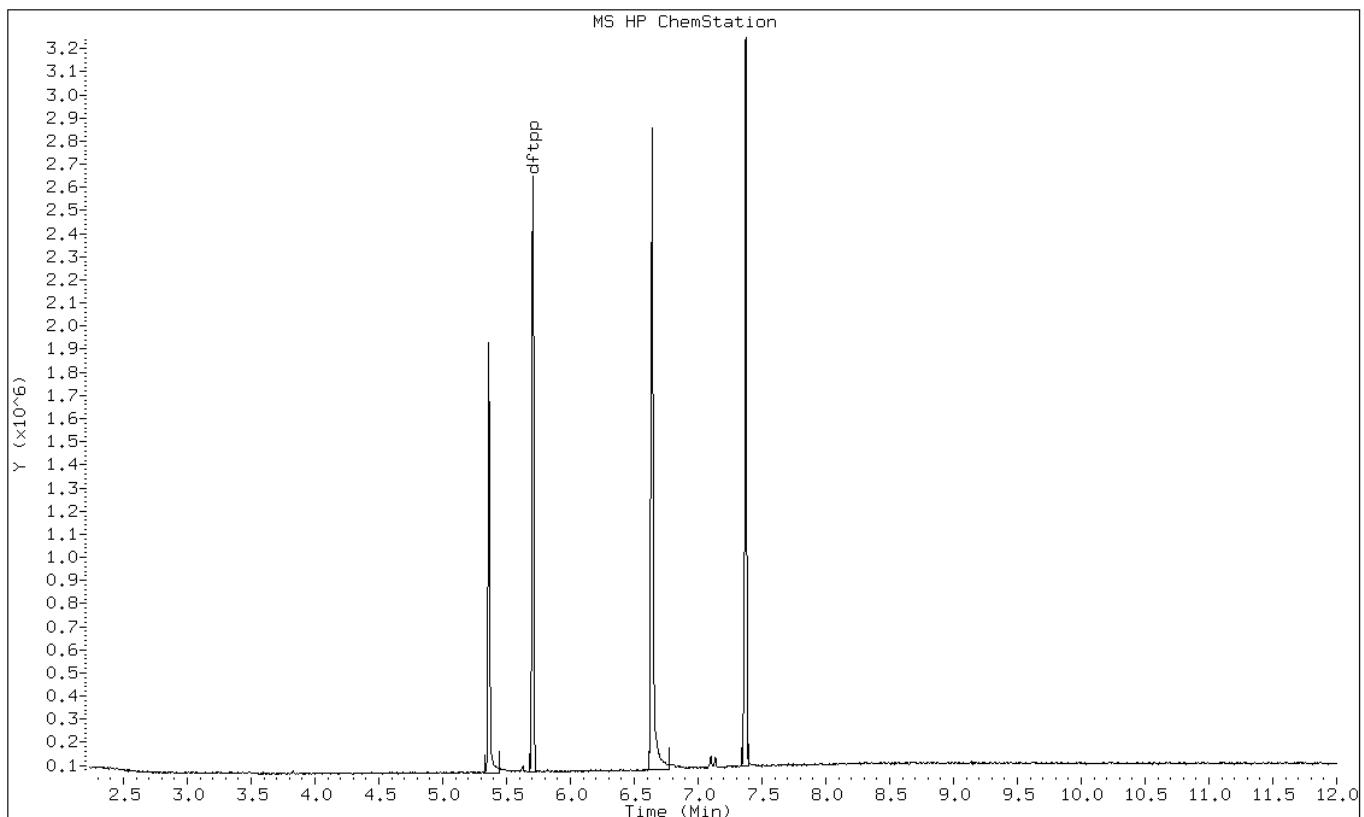
Date: 26-FEB-2013 15:21

Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: LEG



Data File: tb2602t.d

Date: 26-FEB-2013 15:21

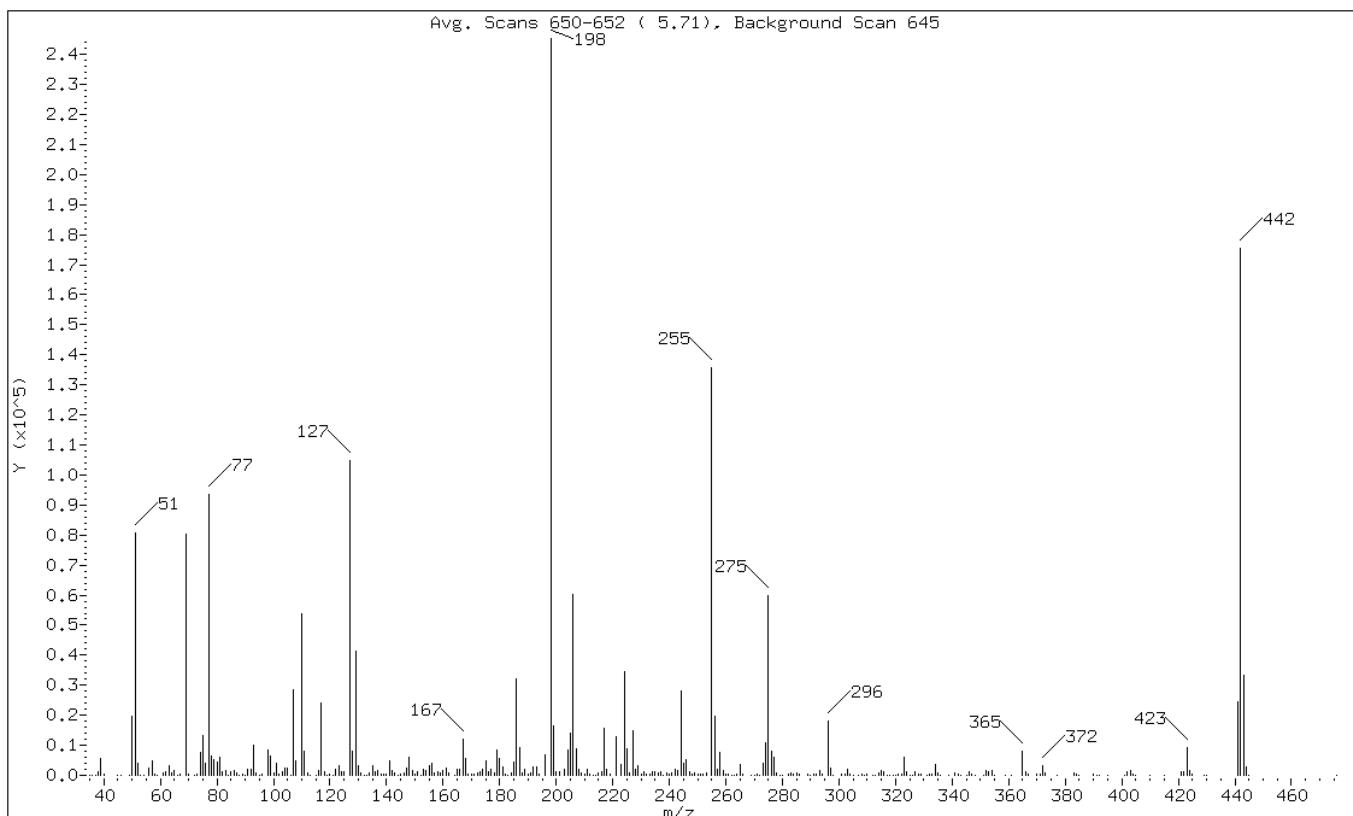
Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: LEG

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	32.93
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	32.77
70	Less than 2.00% of mass 69	0.16 (0.48)
127	25.00 - 75.00% of mass 198	42.64
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.77
275	10.00 - 30.00% of mass 198	24.37
365	Greater than 0.75% of mass 198	3.22
441	0.01 - 99.90% of mass 443	10.05 (73.67)
442	40.00 - 110.00% of mass 198	71.48
443	15.00 - 24.00% of mass 442	13.64 (19.08)

Data File: tb2602t.d

Date: 26-FEB-2013 15:21

Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: LEG

Data File: /chem/SM/MST5973.i/1t022613D.b/tb2602t.d

Spectrum: Avg. Scans 650-652 (5.71), Background Scan 645

Location of Maximum: 198.00

Number of points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	48	130.00	3310	215.00	748	308.00	217
36.00	24	131.00	694	216.00	1394	309.00	157
37.00	181	132.00	186	217.00	15540	310.00	233
38.00	1073	133.00	81	218.00	2199	312.00	149
39.00	5653	134.00	905	219.00	289	313.00	104
40.00	505	135.00	3347	221.00	12813	314.00	896
45.00	189	136.00	1123	223.00	3432	315.00	1754
46.00	151	137.00	1599	224.00	34456	316.00	1079
49.00	144	138.00	500	225.00	9000	317.00	154
50.00	19824	139.00	227	226.00	657	318.00	34
51.00	80792	140.00	415	227.00	15043	319.00	78
52.00	4067	141.00	4904	228.00	2095	320.00	63
53.00	158	142.00	1672	229.00	3099	321.00	563
54.00	60	143.00	1000	230.00	384	322.00	221
56.00	2427	144.00	120	231.00	1367	323.00	5856
57.00	4888	145.00	342	232.00	283	324.00	1168
58.00	209	146.00	856	233.00	258	325.00	136
59.00	87	147.00	2539	234.00	1054	326.00	80
61.00	995	148.00	6135	235.00	1356	327.00	1165
62.00	1253	149.00	1439	236.00	801	328.00	551
63.00	3187	150.00	290	237.00	1229	329.00	210
64.00	646	151.00	1045	238.00	86	331.00	50
65.00	1761	152.00	149	239.00	703	332.00	405
66.00	150	153.00	2129	240.00	432	333.00	500
67.00	346	154.00	1406	241.00	984	334.00	3762
69.00	80408	155.00	3019	242.00	1868	335.00	959
70.00	388	156.00	4091	243.00	1518	336.00	134
72.00	71	157.00	884	244.00	28032	339.00	94
73.00	300	158.00	1115	245.00	4129	341.00	686
74.00	7613	159.00	793	246.00	5381	342.00	260
75.00	13267	160.00	1611	247.00	1254	343.00	89
76.00	3880	161.00	2373	248.00	409	345.00	39
77.00	93440	162.00	797	249.00	860	346.00	1230
78.00	6264	164.00	179	250.00	280	347.00	281
79.00	5285	165.00	2025	251.00	218	348.00	33
80.00	4414	166.00	1902	252.00	276	351.00	41
81.00	6106	167.00	11909	253.00	648	352.00	1586
82.00	1271	168.00	5802	255.00	135808	353.00	1153
83.00	1702	169.00	443	256.00	19744	354.00	1740
84.00	160	170.00	546	257.00	1896	355.00	127

85.00	1081	171.00	363	258.00	7610	359.00	151
86.00	1657	172.00	1000	259.00	1511	361.00	43
87.00	603	173.00	1214	260.00	382	365.00	7894
88.00	112	174.00	2067	261.00	274	366.00	1060
89.00	348	175.00	4798	262.00	146	367.00	201
90.00	56	176.00	1173	263.00	100	370.00	208
91.00	1968	177.00	2066	264.00	356	371.00	303
92.00	1910	178.00	753	265.00	3498	372.00	3054
93.00	10026	179.00	8561	266.00	519	373.00	659
94.00	747	180.00	5558	269.00	47	377.00	38
95.00	181	181.00	2671	270.00	142	383.00	656
96.00	292	182.00	523	271.00	379	384.00	230
98.00	8256	183.00	10	272.00	186	385.00	40
99.00	6403	184.00	804	273.00	4096	390.00	296
100.00	655	185.00	4352	274.00	10904	391.00	158
101.00	3985	186.00	32040	275.00	59792	392.00	190
102.00	358	187.00	9265	276.00	8067	395.00	50
103.00	1151	188.00	864	277.00	5902	401.00	157
104.00	2279	189.00	2008	278.00	936	402.00	1280
105.00	2253	190.00	423	279.00	128	403.00	1543
106.00	119	191.00	932	280.00	54	404.00	465
107.00	28440	192.00	2655	282.00	260	405.00	87
108.00	4665	193.00	2765	283.00	695	410.00	60
110.00	53672	194.00	490	284.00	363	415.00	100
111.00	7954	196.00	6788	285.00	837	421.00	1295
112.00	921	198.00	245312	286.00	242	422.00	1371
113.00	62	199.00	16616	289.00	296	423.00	9139
115.00	87	200.00	1227	290.00	199	424.00	1700
116.00	1454	201.00	1207	291.00	252	425.00	203
117.00	23912	203.00	1912	292.00	248	429.00	40
118.00	1366	204.00	8534	293.00	1470	430.00	51
119.00	149	205.00	14050	294.00	279	441.00	24656
120.00	479	206.00	60304	296.00	18080	442.00	175360
121.00	76	207.00	8696	297.00	2470	443.00	33464
122.00	1993	208.00	1947	298.00	176	444.00	2988
123.00	3053	209.00	648	301.00	256	445.00	162
124.00	1095	210.00	528	302.00	324	476.00	33
125.00	1184	211.00	2208	303.00	1876		
127.00	104608	212.00	274	304.00	475		
128.00	7997	213.00	104	305.00	89		
129.00	41256	214.00	139	307.00	52		

TESTAMERICA SAVANNAH

Data file : /chem/SM/MST5973.i/3t022613D.b/tb2672t.d
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 28-FEB-2013 00:41
Operator : LEG Inst ID: MST5973.i
Smp Info : DFTPP-2966302;050-73
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/3t022613D.b/t-dftpp8270D.m
Meth Date : 26-Feb-2013 15:26 boyukb Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5		
5.702	5.707	-0.005	198	283968	0.00-	100.00	100.00
5.702	5.707	-0.005	51	93400	30.00-	80.00	32.89
5.702	5.707	-0.005	68	0	0.00-	2.00	0.00
5.702	5.707	-0.005	69	92336	0.00-	0.00	32.52
5.702	5.707	-0.005	70	488	0.00-	2.00	0.53
5.702	5.707	-0.005	127	124960	25.00-	75.00	44.00
5.702	5.707	-0.005	197	0	0.00-	1.00	0.00
5.702	5.707	-0.005	199	19504	5.00-	9.00	6.87
5.702	5.707	-0.005	275	70272	10.00-	30.00	24.75
5.702	5.707	-0.005	365	8920	0.75-	0.00	3.14
5.702	5.707	-0.005	441	30544	0.01-	99.90	74.22
5.702	5.707	-0.005	442	206976	40.00-	110.00	72.89
5.702	5.707	-0.005	443	41152	15.00-	24.00	19.88

Data File: tb2672t.d

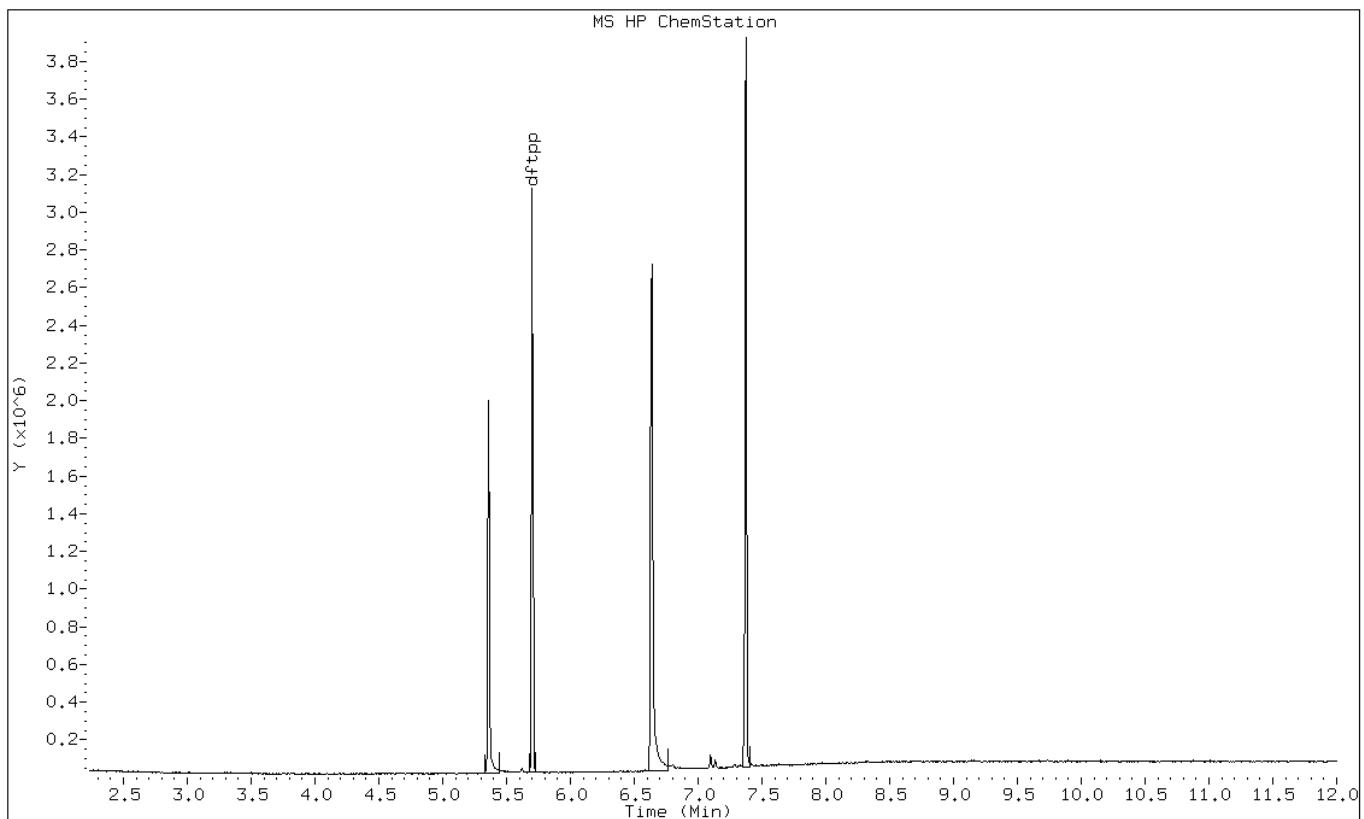
Date: 28-FEB-2013 00:41

Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: LEG



Data File: tb2672t.d

Date: 28-FEB-2013 00:41

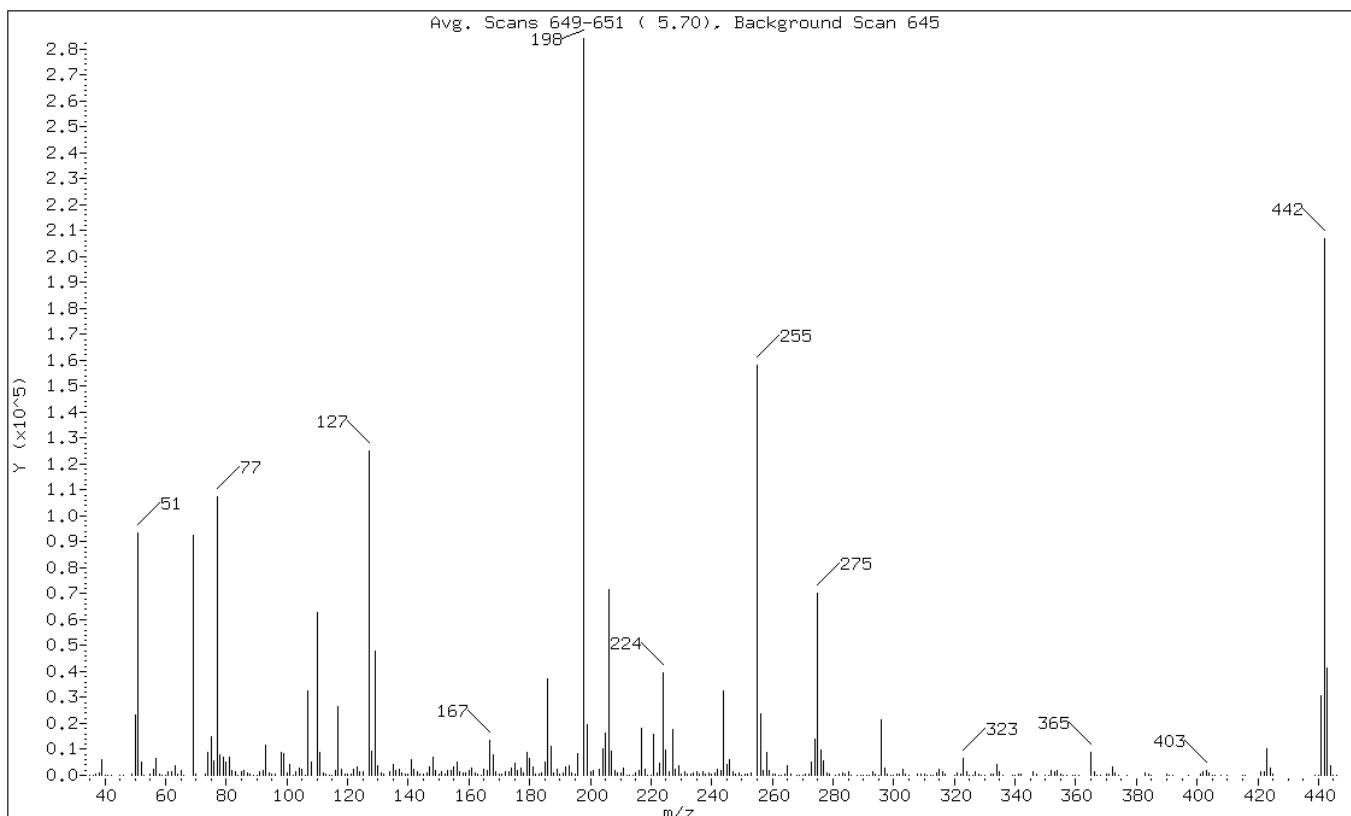
Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: LEG

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	32.89
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	32.52
70	Less than 2.00% of mass 69	0.17 (0.53)
127	25.00 - 75.00% of mass 198	44.00
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.87
275	10.00 - 30.00% of mass 198	24.75
365	Greater than 0.75% of mass 198	3.14
441	0.01 - 99.90% of mass 443	10.76 (74.22)
442	40.00 - 110.00% of mass 198	72.89
443	15.00 - 24.00% of mass 442	14.49 (19.88)

Data File: tb2672t.d

Date: 28-FEB-2013 00:41

Client ID: DFTPP

Instrument: MST5973.i

Sample Info: DFTPP-2966302;050-73

Operator: LEG

Data File: /chem/SM/MST5973.i/3t022613D.b/tb2672t.d

Spectrum: Avg. Scans 649-651 (5.70), Background Scan 645

Location of Maximum: 198.00

Number of points: 335

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	57	131.00	700	218.00	2479	308.00	435
36.00	157	132.00	450	219.00	56	309.00	276
37.00	425	134.00	1266	220.00	133	310.00	330
38.00	941	135.00	3974	221.00	15902	311.00	94
39.00	6130	136.00	1661	222.00	896	312.00	37
40.00	101	137.00	2420	223.00	4438	313.00	177
41.00	77	138.00	706	224.00	39472	314.00	893
42.00	116	139.00	302	225.00	9564	315.00	2403
45.00	204	140.00	613	226.00	1390	316.00	1392
46.00	36	141.00	5842	227.00	17736	317.00	256
49.00	630	142.00	2491	228.00	2404	320.00	41
50.00	23352	143.00	1337	229.00	3780	321.00	699
51.00	93400	144.00	408	230.00	296	322.00	282
52.00	5081	145.00	415	231.00	1600	323.00	6603
53.00	155	146.00	1138	232.00	233	324.00	1265
55.00	427	147.00	3086	233.00	383	325.00	77
56.00	2448	148.00	7081	234.00	1077	326.00	53
57.00	6325	149.00	1641	235.00	1378	327.00	1209
58.00	374	150.00	559	236.00	690	328.00	601
59.00	141	151.00	1337	237.00	1312	329.00	170
60.00	50	152.00	633	238.00	242	330.00	48
61.00	1213	153.00	2007	239.00	866	332.00	474
62.00	1378	154.00	1783	240.00	533	333.00	520
63.00	3583	155.00	3440	241.00	1064	334.00	4057
64.00	573	156.00	5185	242.00	2426	335.00	1205
65.00	2060	157.00	1401	243.00	1694	336.00	36
66.00	195	158.00	1087	244.00	32384	339.00	79
69.00	92336	159.00	995	245.00	4336	340.00	111
70.00	488	160.00	1870	246.00	6217	341.00	491
73.00	616	161.00	3012	247.00	1513	342.00	259
74.00	8879	162.00	928	248.00	316	346.00	1593
75.00	14899	163.00	306	249.00	911	347.00	255
76.00	5476	164.00	219	250.00	138	350.00	108
77.00	107160	165.00	2556	251.00	234	351.00	148
78.00	7698	166.00	1895	252.00	284	352.00	1922
79.00	6893	167.00	13562	253.00	817	353.00	1345
80.00	5250	168.00	8066	255.00	157888	354.00	1997
81.00	6946	169.00	1507	256.00	23584	355.00	433
82.00	1903	170.00	512	257.00	1647	356.00	35
83.00	1624	171.00	519	258.00	8770	357.00	52

84.00	171	172.00	1456	259.00	1633	359.00	162
85.00	1164	173.00	1482	260.00	423	360.00	46
86.00	2082	174.00	2784	261.00	345	361.00	42
87.00	1100	175.00	4742	262.00	34	365.00	8920
88.00	387	176.00	1653	263.00	86	366.00	1190
89.00	1	177.00	2612	264.00	244	367.00	33
90.00	48	178.00	799	265.00	3920	368.00	34
91.00	1597	179.00	8862	266.00	677	370.00	264
92.00	1979	180.00	6501	268.00	79	371.00	564
93.00	11637	181.00	3176	269.00	80	372.00	3140
94.00	882	182.00	403	270.00	185	373.00	728
95.00	553	183.00	295	271.00	382	374.00	125
96.00	583	184.00	845	272.00	372	377.00	79
98.00	8999	185.00	5065	273.00	5258	383.00	957
99.00	8482	186.00	37056	274.00	13781	384.00	350
100.00	875	187.00	11003	275.00	70272	385.00	170
101.00	3961	188.00	1062	276.00	9658	390.00	465
102.00	185	189.00	2284	277.00	5586	391.00	210
103.00	1508	190.00	551	278.00	1025	392.00	209
104.00	2575	191.00	897	279.00	388	397.00	44
105.00	2495	192.00	3265	281.00	109	401.00	270
106.00	22	193.00	3582	282.00	275	402.00	1343
107.00	32712	194.00	754	283.00	706	403.00	1916
108.00	5337	195.00	249	284.00	537	404.00	710
110.00	62704	196.00	8435	285.00	1227	405.00	108
111.00	8889	198.00	283968	286.00	211	406.00	39
112.00	1088	199.00	19504	288.00	34	408.00	36
113.00	463	200.00	1574	289.00	202	410.00	53
114.00	93	201.00	1937	290.00	215	415.00	135
115.00	167	203.00	2244	291.00	108	416.00	42
116.00	1671	204.00	10328	292.00	176	421.00	1405
117.00	26552	205.00	16336	293.00	1542	422.00	1540
118.00	2130	206.00	71736	294.00	476	423.00	10387
119.00	540	207.00	9314	295.00	104	424.00	2766
120.00	371	208.00	2052	296.00	21168	425.00	399
121.00	347	209.00	800	297.00	2626	439.00	56
122.00	2209	210.00	727	298.00	274	440.00	61
123.00	3149	211.00	2976	299.00	40	441.00	30544
124.00	1534	212.00	117	300.00	35	442.00	206976
125.00	1258	213.00	231	301.00	316	443.00	41152
127.00	124960	214.00	36	302.00	305	444.00	3554
128.00	9461	215.00	835	303.00	2425	445.00	104
129.00	47896	216.00	1696	304.00	500	446.00	79
130.00	3819	217.00	17912	305.00	66		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Client Sample ID:

Lab Sample ID: MB 680-266053/13-A

Matrix: Solid

Lab File ID: tb2321.d

Analysis Method: 8270D

Date Collected:

Extract. Method: 3546

Date Extracted: 02/14/2013 10:04

Sample wt/vol: 30.00(g)

Date Analyzed: 02/23/2013 19:45

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture:

GPC Cleanup:(Y/N) N

Analysis Batch No.: 267279

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	330	U	330	28
1912-24-9	Atrazine	330	U	330	23
100-52-7	Benzaldehyde	330	U	330	58
92-52-4	1,1'-Biphenyl	330	U	330	740
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	39
111-44-4	Bis(2-chloroethyl)ether	330	U	330	45
108-60-1	bis (2-chloroisopropyl) ether	330	U	330	30
117-81-7	Bis(2-ethylhexyl) phthalate	330	U	330	29
101-55-3	4-Bromophenyl phenyl ether	330	U	330	36
85-68-7	Butyl benzyl phthalate	330	U	330	26
105-60-2	Caprolactam	330	U	330	66
86-74-8	Carbazole	330	U	330	30
106-47-8	4-Chloroaniline	660	U	660	52
59-50-7	4-Chloro-3-methylphenol	330	U	330	35
91-58-7	2-Chloronaphthalene	330	U	330	35
95-57-8	2-Chlorophenol	330	U	330	40
7005-72-3	4-Chlorophenyl phenyl ether	330	U	330	44
91-94-1	3,3'-Dichlorobenzidine	660	U	660	28
120-83-2	2,4-Dichlorophenol	330	U	330	35
84-66-2	Diethyl phthalate	330	U	330	37
105-67-9	2,4-Dimethylphenol	330	U	330	44
131-11-3	Dimethyl phthalate	330	U	330	34
84-74-2	Di-n-butyl phthalate	330	U	330	30
534-52-1	4,6-Dinitro-2-methylphenol	1700	U	1700	170
51-28-5	2,4-Dinitrophenol	1700	U	1700	830
121-14-2	2,4-Dinitrotoluene	330	U	330	49
606-20-2	2,6-Dinitrotoluene	330	U	330	42
117-84-0	Di-n-octyl phthalate	330	U	330	29
118-74-1	Hexachlorobenzene	330	U	330	39
87-68-3	Hexachlorobutadiene	330	U	330	36
77-47-4	Hexachlorocyclopentadiene	330	U	330	41
67-72-1	Hexachloroethane	330	U	330	28
78-59-1	Isophorone	330	U	330	33
95-48-7	2-Methylphenol	330	U	330	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
 SDG No.: 68087318-5
 Client Sample ID: _____ Lab Sample ID: MB 680-266053/13-A
 Matrix: Solid Lab File ID: tb2321.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 02/14/2013 10:04
 Sample wt/vol: 30.00(g) Date Analyzed: 02/23/2013 19:45
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup:(Y/N) N
 Analysis Batch No.: 267279 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	330	U	330	43
88-74-4	2-Nitroaniline	1700	U	1700	45
99-09-2	3-Nitroaniline	1700	U	1700	46
100-01-6	4-Nitroaniline	1700	U	1700	49
98-95-3	Nitrobenzene	330	U	330	26
88-75-5	2-Nitrophenol	330	U	330	41
100-02-7	4-Nitrophenol	1700	U	1700	330
621-64-7	N-Nitrosodi-n-propylamine	330	U	330	32
86-30-6	N-Nitrosodiphenylamine	330	U	330	33
87-86-5	Pentachlorophenol	1700	U	1700	330
108-95-2	Phenol	330	U	330	34
95-95-4	2,4,5-Trichlorophenol	330	U	330	35
88-06-2	2,4,6-Trichlorophenol	330	U	330	29

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	84		58-130
367-12-4	2-Fluorophenol (Surr)	78		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	76		46-130
4165-62-2	Phenol-d5 (Surr)	80		49-130
1718-51-0	Terphenyl-d14 (Surr)	112		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	80		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022313D.b/tb2321.d
Lab Smp Id: MB 680-266053/13-A
Inj Date : 23-FEB-2013 19:45
Operator : LEG Inst ID: MST5973.i
Smp Info : MB 680-266053/13-A
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022313D.b/t-8270D-m.m
Meth Date : 24-Feb-2013 10:45 gillinsl Quant Type: ISTD
Cal Date : 13-FEB-2013 23:26 Cal File: tb1320q.d
Als bottle: 21 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TLA92013.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:

Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	30.00000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv)
GPC	1.00000	GPC FACTOR

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
* 1 1,4-Dichlorobenzene-d4	====	=====	==	=====	=====	=====	=====	=====
\$ 5 2-Fluorophenol	152	6.145	6.145	(1.000)	312973	40.0000		
\$ 6 Phenol-d5	112	4.794	4.788	(0.780)	838773	77.5957	2600	
* 20 Naphthalene-d8	99	5.793	5.787	(0.943)	1069970	80.0208	2700	
\$ 21 Nitrobenzene-d5	136	7.342	7.342	(1.000)	1279548	40.0000		
* 36 Acenaphthene-d10	82	6.679	6.679	(0.910)	732854	75.5310	2500	
\$ 40 2-Fluorobiphenyl	164	9.132	9.132	(1.000)	738736	40.0000		
	172	8.336	8.336	(0.913)	1722776	84.0778	2800	

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
\$ 57 2,4,6-Tribromophenol	329	10.115	10.115	(1.108)	251345	80.2914	2700
* 58 Phenanthrene-d10	188	11.023	11.023	(1.000)	1189492	40.0000	
* 71 Chrysene-d12	240	14.447	14.447	(1.000)	1164576	40.0000	
\$ 73 Terphenyl-d14	244	13.090	13.090	(0.906)	2041119	112.280	3700
77 Bis(2-ethylhexyl)phthalate	149	14.399	14.399	(0.997)	7870	0.40226	13(a)
* 79 Perylene-d12	264	16.504	16.499	(1.000)	1178934	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: tb2321.d

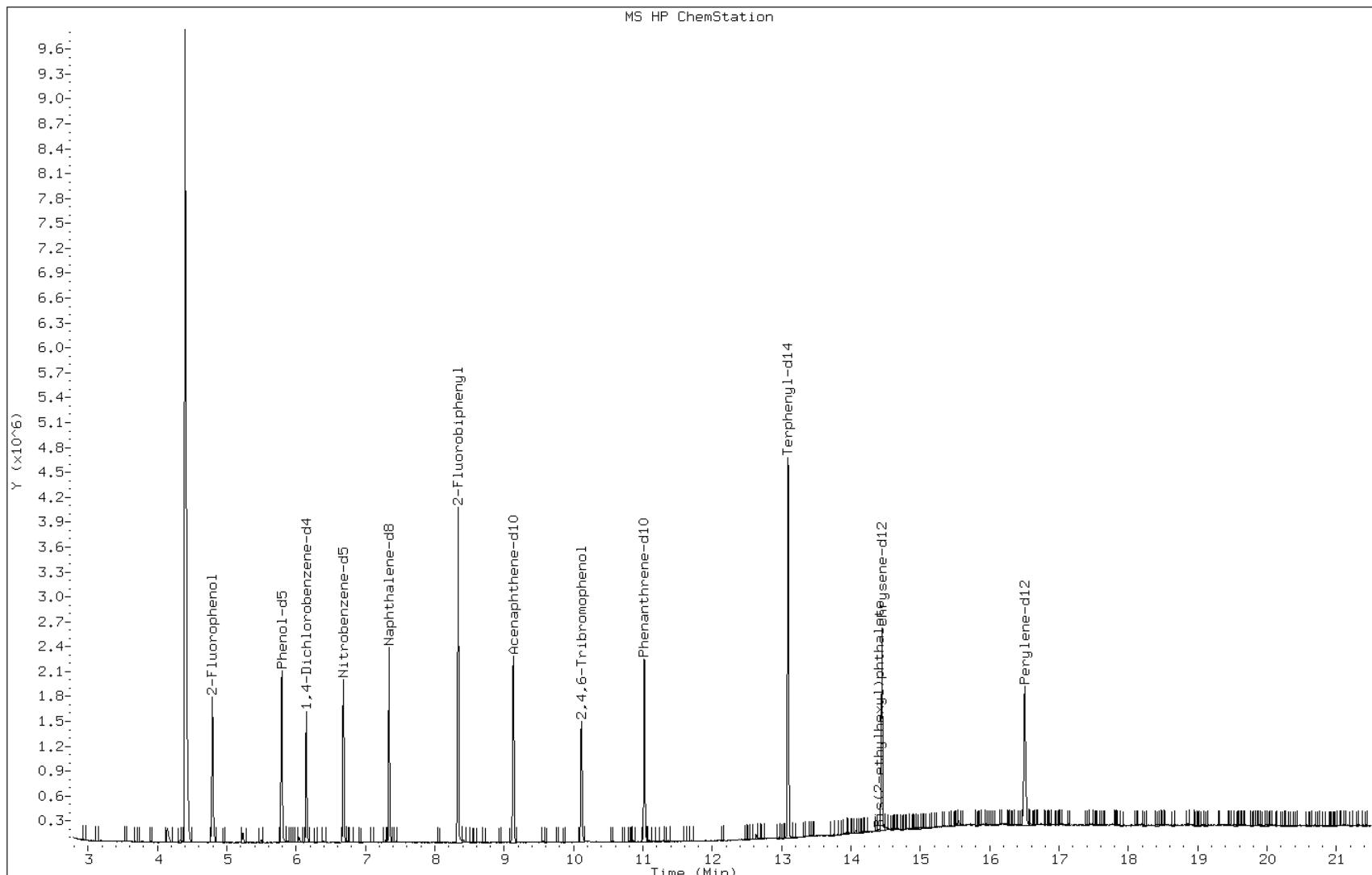
Date: 23-FEB-2013 19:45

Client ID:

Instrument: MST5973.i

Sample Info: MB 680-266053/13-A

Operator: LEG



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Client Sample ID:

Lab Sample ID: LCS 680-266053/14-A

Matrix: Solid

Lab File ID: tb2322.d

Analysis Method: 8270D

Date Collected:

Extract. Method: 3546

Date Extracted: 02/14/2013 10:04

Sample wt/vol: 29.98(g)

Date Analyzed: 02/23/2013 20:13

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture:

GPC Cleanup:(Y/N) N

Analysis Batch No.: 267279

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	1990		330	28
1912-24-9	Atrazine	6210		330	23
100-52-7	Benzaldehyde	973		330	58
92-52-4	1,1'-Biphenyl	2530		330	740
111-91-1	Bis(2-chloroethoxy)methane	2720		330	39
111-44-4	Bis(2-chloroethyl)ether	2360		330	45
108-60-1	bis (2-chloroisopropyl) ether	2520		330	30
117-81-7	Bis(2-ethylhexyl) phthalate	3160		330	29
101-55-3	4-Bromophenyl phenyl ether	2920		330	36
85-68-7	Butyl benzyl phthalate	3210		330	26
105-60-2	Caprolactam	2950		330	66
86-74-8	Carbazole	3030		330	30
106-47-8	4-Chloroaniline	2020		660	52
59-50-7	4-Chloro-3-methylphenol	2870		330	35
91-58-7	2-Chloronaphthalene	2520		330	35
95-57-8	2-Chlorophenol	2560		330	40
7005-72-3	4-Chlorophenyl phenyl ether	2890		330	44
91-94-1	3,3'-Dichlorobenzidine	2430		660	28
120-83-2	2,4-Dichlorophenol	2710		330	35
84-66-2	Diethyl phthalate	2980		330	37
105-67-9	2,4-Dimethylphenol	2800		330	44
131-11-3	Dimethyl phthalate	2930		330	34
84-74-2	Di-n-butyl phthalate	3030		330	30
534-52-1	4,6-Dinitro-2-methylphenol	3130		1700	170
51-28-5	2,4-Dinitrophenol	3000		1700	830
121-14-2	2,4-Dinitrotoluene	2830		330	49
606-20-2	2,6-Dinitrotoluene	2810		330	42
117-84-0	Di-n-octyl phthalate	3200		330	29
118-74-1	Hexachlorobenzene	2740		330	39
87-68-3	Hexachlorobutadiene	2520		330	36
77-47-4	Hexachlorocyclopentadiene	1790		330	41
67-72-1	Hexachloroethane	2020		330	28
78-59-1	Isophorone	2310		330	33
95-48-7	2-Methylphenol	2720		330	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Client Sample ID: Lab Sample ID: LCS 680-266053/14-A
Matrix: Solid Lab File ID: tb2322.d
Analysis Method: 8270D Date Collected:
Extract. Method: 3546 Date Extracted: 02/14/2013 10:04
Sample wt/vol: 29.98(g) Date Analyzed: 02/23/2013 20:13
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: GPC Cleanup:(Y/N) N
Analysis Batch No.: 267279 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	2820		330	43
88-74-4	2-Nitroaniline	2820		1700	45
99-09-2	3-Nitroaniline	2570		1700	46
100-01-6	4-Nitroaniline	2890		1700	49
98-95-3	Nitrobenzene	2310		330	26
88-75-5	2-Nitrophenol	2480		330	41
100-02-7	4-Nitrophenol	2850		1700	330
621-64-7	N-Nitrosodi-n-propylamine	2810		330	32
86-30-6	N-Nitrosodiphenylamine	2880		330	33
87-86-5	Pentachlorophenol	2890		1700	330
108-95-2	Phenol	2560		330	34
95-95-4	2,4,5-Trichlorophenol	2930		330	35
88-06-2	2,4,6-Trichlorophenol	2830		330	29

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	82		58-130
367-12-4	2-Fluorophenol (Surr)	76		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	72		46-130
4165-62-2	Phenol-d5 (Surr)	81		49-130
1718-51-0	Terphenyl-d14 (Surr)	115		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	88		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022313D.b/tb2322.d
Lab Smp Id: LCS 680-266053/14-A
Inj Date : 23-FEB-2013 20:13
Operator : LEG Inst ID: MST5973.i
Smp Info : LCS 680-266053/14-A
Misc Info :
Comment :
Method : /chem/SM/MST5973.i/1t022313D.b/t-8270D-m.m
Meth Date : 24-Feb-2013 10:45 gillinsl Quant Type: ISTD
Cal Date : 13-FEB-2013 23:26 Cal File: tb1320q.d
Als bottle: 22 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:

Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	30.00000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv)
GPC	1.00000	GPC FACTOR

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
* 1 1,4-Dichlorobenzene-d4	====	=====	==	=====	=====	=====	=====	=====
2 1,4-Dioxane	152	6.151	6.145	(1.000)	320033	40.0000		
3 Pyridine	88	2.839	2.849	(0.461)	170476	31.0922	1000(M)	
4 N-Nitrosodimethylamine	79	3.303	3.287	(0.537)	563092	43.7518	1500	
\$ 5 2-Fluorophenol	42	3.186	3.186	(0.518)	359989	65.8395	2200	
\$ 6 Phenol-d5	112	4.794	4.788	(0.779)	836340	75.6638	2500	
7 Aniline	99	5.793	5.787	(0.942)	1103559	80.7122	2700	
	93	5.820	5.819	(0.946)	730004	49.5541	1700	

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
8 Phenol	94	5.804	5.803	(0.944)	1154370	76.6842	2600
9 Bis(2-chloroethyl)ether	63	5.873	5.873	(0.955)	577840	70.8402	2400
10 2-Chlorophenol	128	5.948	5.948	(0.967)	875816	76.6906	2600
11 1,3-Dichlorobenzene	146	6.092	6.092	(0.990)	791700	62.8754	2100
12 1,4-Dichlorobenzene	146	6.161	6.161	(1.002)	807040	65.7933	2200
13 Benzyl Alcohol	108	6.284	6.284	(1.022)	551922	76.6605	2600
14 1,2-Dichlorobenzene	146	6.316	6.316	(1.027)	778286	67.8980	2300
15 2-Methylphenol	107	6.402	6.396	(1.041)	697069	81.4801	2700
16 bis (2-Chloroisopropyl) ether	45	6.402	6.402	(1.041)	1304586	75.5208	2500
17 N-Nitroso-di-n-propylamine	70	6.530	6.530	(1.062)	567519	84.2981	2800
18 3&4-Methylphenol	107	6.546	6.541	(1.064)	1026929	84.6721	2800
19 Hexachloroethane	117	6.642	6.642	(1.080)	273887	60.6877	2000
* 20 Naphthalene-d8	136	7.342	7.342	(1.000)	1359398	40.0000	
\$ 21 Nitrobenzene-d5	82	6.680	6.679	(0.910)	739472	71.7364	2400
22 Nitrobenzene	77	6.701	6.701	(0.913)	744986	69.3717	2300
23 Isophorone	82	6.915	6.915	(0.942)	1503593	69.3168	2300
24 2-Nitrophenol	139	6.995	6.995	(0.953)	446506	74.4687	2500
25 2,4-Dimethylphenol	122	7.032	7.027	(0.958)	800505	83.9252	2800
26 Bis(2-chloroethoxy)methane	93	7.102	7.102	(0.967)	1101383	81.4222	2700
27 Benzoic acid	105	7.118	7.123	(0.969)	654547	83.7200	2800
28 2,4-Dichlorophenol	162	7.219	7.214	(0.983)	757811	81.1436	2700
29 1,2,4-Trichlorobenzene	180	7.289	7.289	(0.993)	723873	70.9789	2400
30 Naphthalene	128	7.358	7.358	(1.002)	2398264	72.4993	2400
31 4-Chloroaniline	127	7.406	7.406	(1.009)	802122	60.6498	2000
32 Hexachlorobutadiene	225	7.465	7.465	(1.017)	398013	75.6269	2500
33 4-Chloro-3-methylphenol	107	7.839	7.833	(1.068)	790124	85.9529	2900
34 2-Methylnaphthalene	142	7.983	7.983	(1.087)	1674653	77.3435	2600
35 1-Methylnaphthalene	142	8.079	8.079	(1.100)	1587982	77.5908	2600
* 36 Acenaphthene-d10	164	9.132	9.132	(1.000)	800383	40.0000	
37 Hexachlorocyclopentadiene	237	8.138	8.138	(0.891)	291426	53.7494	1800
38 2,4,6-Trichlorophenol	196	8.266	8.261	(0.905)	551930	84.9081	2800
39 2,4,5-Trichlorophenol	196	8.309	8.304	(0.910)	603502	87.7701	2900
\$ 40 2-Fluorobiphenyl	172	8.336	8.336	(0.913)	1822806	82.1078	2700
41 2-Chloronaphthalene	162	8.485	8.485	(0.929)	1586163	75.6595	2500
42 2-Nitroaniline	65	8.598	8.597	(0.941)	473105	84.5363	2800
43 Dimethylphthalate	163	8.768	8.768	(0.960)	2049556	87.7583	2900
44 2,6-Dinitrotoluene	165	8.854	8.854	(0.970)	399765	84.2474	2800
45 Acenaphthylene	152	8.966	8.966	(0.982)	2638705	81.3435	2700
46 3-Nitroaniline	138	9.068	9.067	(0.993)	459042	77.1334	2600
47 Acenaphthene	154	9.169	9.169	(1.004)	1706122	82.1420	2700
48 2,4-Dinitrophenol	184	9.191	9.190	(1.006)	257317	89.8250	3000(Q)
49 4-Nitrophenol	65	9.271	9.265	(1.015)	347419	85.5468	2900
50 Dibenzofuran	168	9.378	9.377	(1.027)	2348391	81.0506	2700
51 2,4-Dinitrotoluene	165	9.340	9.340	(1.023)	559002	84.8654	2800
53 Diethylphthalate	149	9.607	9.607	(1.052)	1931072	89.4709	3000
54 Fluorene	166	9.800	9.799	(1.073)	1931048	83.1821	2800
55 4-Chlorophenyl-phenylether	204	9.778	9.778	(1.071)	963373	86.5895	2900

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
56 4-Nitroaniline		138	9.826	9.826 (1.076)		515271	86.5143	2900
\$ 57 2,4,6-Tribromophenol		329	10.115	10.115 (1.108)		298005	87.8646	2900
* 58 Phenanthrene-d10		188	11.023	11.023 (1.000)		1322536	40.0000	
59 4,6-Dinitro-2-methylphenol		198	9.853	9.853 (0.894)		381108	93.7080	3100
60 N-Nitrosodiphenylamine		169	9.933	9.933 (0.901)		1496627	86.4058	2900
61 1,2-Diphenylhydrazine		77	9.981	9.981 (0.905)		1934836	81.8287	2700
62 4-Bromophenyl-phenylether		248	10.414	10.414 (0.945)		568536	87.6898	2900
63 Hexachlorobenzene		284	10.526	10.526 (0.955)		601228	82.1294	2700
64 Pentachlorophenol		266	10.783	10.777 (0.978)		383582	86.6241	2900
65 Phenanthrene		178	11.055	11.055 (1.003)		2915606	83.8903	2800
66 Anthracene		178	11.119	11.119 (1.009)		2901619	82.5376	2800
67 Carbazole		167	11.333	11.327 (1.028)		2987581	90.9280	3000
68 Di-n-Butylphthalate		149	11.749	11.749 (1.066)		3424870	90.8775	3000
69 Fluoranthene		202	12.615	12.615 (1.144)		3164974	85.2178	2800
70 Benzidine		184	12.786	12.786 (0.885)		363072	38.0043	1300
* 71 Chrysene-d12		240	14.453	14.447 (1.000)		1276084	40.0000	
72 Pyrene		202	12.914	12.914 (0.894)		3292787	84.5817	2800
\$ 73 Terphenyl-d14		244	13.096	13.090 (0.906)		2292020	115.064	3800
74 Butylbenzylphthalate		149	13.705	13.699 (0.948)		1561997	96.2337	3200
75 3,3'-Dichlorobenzidine		252	14.405	14.399 (0.997)		829823	72.8205	2400
76 Benzo(a)Anthracene		228	14.437	14.431 (0.999)		3009038	85.9324	2900
77 Bis(2-ethylhexyl)phthalate		149	14.399	14.399 (0.996)		2029674	94.6777	3200
78 Chrysene		228	14.479	14.479 (1.002)		3001723	86.4202	2900
* 79 Perylene-d12		264	16.504	16.499 (1.000)		1363393	40.0000	
80 Di-n-octylphthalate		149	15.206	15.206 (1.052)		3660033	95.9889	3200
81 Benzo(b)fluoranthene		252	15.890	15.884 (0.963)		2977974	86.5490	2900
82 Benzo(k)fluoranthene		252	15.927	15.922 (0.965)		3329276	88.3065	2900
83 Benzo(a)pyrene		252	16.413	16.408 (0.994)		2879162	91.3877	3000
84 Indeno(1,2,3-cd)pyrene		276	18.598	18.593 (1.287)		3519305	87.7223	2900
85 Dibenzo(a,h)anthracene		278	18.620	18.614 (1.128)		3068810	88.4045	2900
86 Benzo(g,h,i)perylene		276	19.250	19.239 (1.166)		3174624	86.8832	2900
89 Acetophenone		105	6.535	6.535 (0.890)		863021	59.6701	2000
90 Benzaldehyde		77	5.707	5.707 (0.928)		174152	29.1662	970
91 1,1-Biphenyl		154	8.448	8.448 (0.925)		2136202	75.9254	2500
92 Caprolactam		113	7.716	7.716 (1.051)		324250	88.5649	3000
93 Atrazine		200	10.606	10.606 (0.962)		474968	186.156	6200
M 88 MethylPhenols,Total		100				1723998	166.152	5500

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: tb2322.d

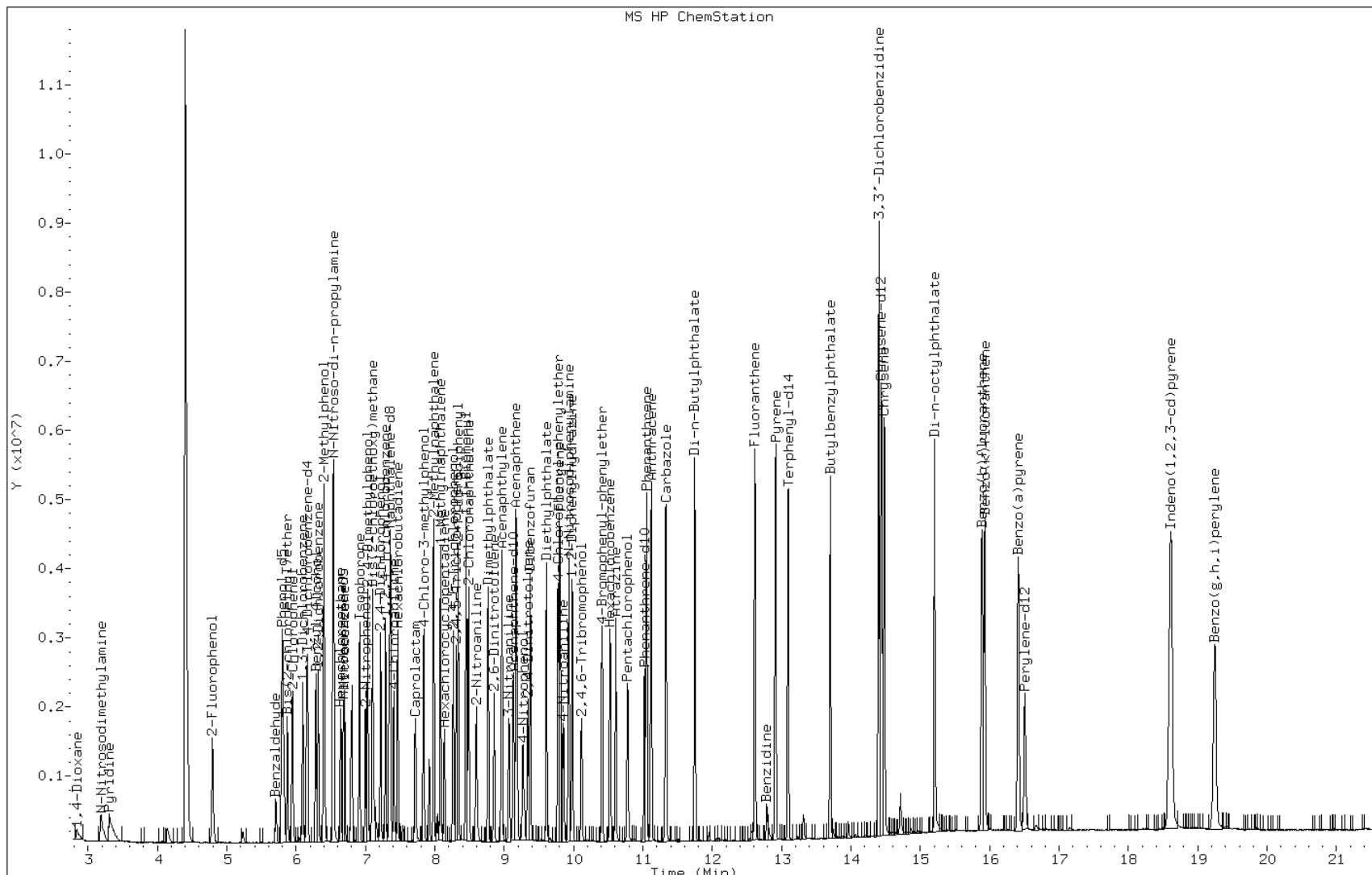
Date: 23-FEB-2013 20:13

Client ID:

Instrument: MST5973.i

Sample Info: LCS 680-266053/14-A

Operator: LEG



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Client Sample ID: CV0005C-CS MS

Lab Sample ID: 680-87318-4 MS

Matrix: Solid

Lab File ID: tb2325.d

Analysis Method: 8270D

Date Collected: 02/07/2013 10:23

Extract. Method: 3546

Date Extracted: 02/14/2013 10:04

Sample wt/vol: 30.05(g)

Date Analyzed: 02/23/2013 21:37

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 8.0

GPC Cleanup:(Y/N) N

Analysis Batch No.: 267279

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	2270		360	30
1912-24-9	Atrazine	5810		360	25
100-52-7	Benzaldehyde	2090		360	63
92-52-4	1,1'-Biphenyl	2590		360	800
111-91-1	Bis(2-chloroethoxy)methane	2790		360	42
111-44-4	Bis(2-chloroethyl)ether	2510		360	49
108-60-1	bis (2-chloroisopropyl) ether	2640		360	33
117-81-7	Bis(2-ethylhexyl) phthalate	3550		360	31
101-55-3	4-Bromophenyl phenyl ether	2920		360	39
85-68-7	Butyl benzyl phthalate	3130		360	28
105-60-2	Caprolactam	2080		360	72
86-74-8	Carbazole	2970		360	33
106-47-8	4-Chloroaniline	1730		720	56
59-50-7	4-Chloro-3-methylphenol	2740		360	38
91-58-7	2-Chloronaphthalene	2550		360	38
95-57-8	2-Chlorophenol	2560		360	43
7005-72-3	4-Chlorophenyl phenyl ether	2810		360	48
91-94-1	3,3'-Dichlorobenzidine	486	J	720	30
120-83-2	2,4-Dichlorophenol	2690		360	38
84-66-2	Diethyl phthalate	2950		360	40
105-67-9	2,4-Dimethylphenol	2300		360	48
131-11-3	Dimethyl phthalate	2870		360	37
84-74-2	Di-n-butyl phthalate	3040		360	33
534-52-1	4,6-Dinitro-2-methylphenol	1680	J	1800	180
51-28-5	2,4-Dinitrophenol	1800	U	1800	900
121-14-2	2,4-Dinitrotoluene	2670		360	53
606-20-2	2,6-Dinitrotoluene	2780		360	46
117-84-0	Di-n-octyl phthalate	3080		360	31
118-74-1	Hexachlorobenzene	2690		360	42
87-68-3	Hexachlorobutadiene	2730		360	39
77-47-4	Hexachlorocyclopentadiene	615		360	44
67-72-1	Hexachloroethane	2030		360	30
78-59-1	Isophorone	2350		360	36
95-48-7	2-Methylphenol	2480		360	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah	Job No.: 680-87318-5
SDG No.: 68087318-5	
Client Sample ID: CV0005C-CS MS	Lab Sample ID: 680-87318-4 MS
Matrix: Solid	Lab File ID: tb2325.d
Analysis Method: 8270D	Date Collected: 02/07/2013 10:23
Extract. Method: 3546	Date Extracted: 02/14/2013 10:04
Sample wt/vol: 30.05(g)	Date Analyzed: 02/23/2013 21:37
Con. Extract Vol.: 1(mL)	Dilution Factor: 1
Injection Volume: 1(uL)	Level: (low/med) Low
% Moisture: 8.0	GPC Cleanup:(Y/N) N
Analysis Batch No.: 267279	Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	2470		360	47
88-74-4	2-Nitroaniline	2720		1800	49
99-09-2	3-Nitroaniline	2060		1800	50
100-01-6	4-Nitroaniline	2240		1800	53
98-95-3	Nitrobenzene	2460		360	28
88-75-5	2-Nitrophenol	2610		360	44
100-02-7	4-Nitrophenol	2640		1800	360
621-64-7	N-Nitrosodi-n-propylamine	2840		360	35
86-30-6	N-Nitrosodiphenylamine	2790		360	36
87-86-5	Pentachlorophenol	2650		1800	360
108-95-2	Phenol	2470		360	37
95-95-4	2,4,5-Trichlorophenol	2920		360	38
88-06-2	2,4,6-Trichlorophenol	2740		360	31

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	74		58-130
367-12-4	2-Fluorophenol (Surr)	64		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	68		46-130
4165-62-2	Phenol-d5 (Surr)	68		49-130
1718-51-0	Terphenyl-d14 (Surr)	94		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	68		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022313D.b/tb2325.d
Lab Smp Id: 680-87318-B-4-B MS Client Smp ID: CV0005C-CS
Inj Date : 23-FEB-2013 21:37
Operator : LEG Inst ID: MST5973.i
Smp Info : 680-87318-B-4-B MS
Misc Info : 680-87318-B-4-B MS
Comment :
Method : /chem/SM/MST5973.i/1t022313D.b/t-8270D-m.m
Meth Date : 24-Feb-2013 10:45 gillinsl Quant Type: ISTD
Cal Date : 13-FEB-2013 23:26 Cal File: tb1320q.d
Als bottle: 25 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:

Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	30.05000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv)
GPC	1.00000	GPC FACTOR

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	====	=====	==	=====	=====	=====	=====	=====
2 1,4-Dioxane	152	6.145	6.145	(1.000)		347372	40.0000	
3 Pyridine	88	2.833	2.849	(0.461)		187515	31.5082	1000(M)
4 N-Nitrosodimethylamine	79	3.298	3.287	(0.537)		570029	40.8050	1400
\$ 5 2-Fluorophenol	42	3.180	3.186	(0.518)		354873	59.7957	2000
\$ 6 Phenol-d5	112	4.794	4.788	(0.780)		769053	64.1005	2100
7 Aniline	99	5.793	5.787	(0.943)		1009478	68.0206	2300
	93	5.819	5.819	(0.947)		457374	28.6040	950(Q)

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
8 Phenol	94	5.803	5.803 (0.944)		1115507	68.2705	2300
9 Bis(2-chloroethyl)ether	63	5.867	5.873 (0.955)		613491	69.2916	2300
10 2-Chlorophenol	128	5.948	5.948 (0.968)		876587	70.7171	2400
11 1,3-Dichlorobenzene	146	6.092	6.092 (0.991)		846812	61.9594	2100
12 1,4-Dichlorobenzene	146	6.161	6.161 (1.003)		860580	64.6365	2200
13 Benzyl Alcohol	108	6.284	6.284 (1.023)		541246	69.2610	2300
14 1,2-Dichlorobenzene	146	6.316	6.316 (1.028)		831404	66.8236	2200
15 2-Methylphenol	107	6.402	6.396 (1.042)		637716	68.6757	2300
16 bis (2-Chloroisopropyl) ether	45	6.402	6.402 (1.042)		1366293	72.8682	2400
17 N-Nitroso-di-n-propylamine	70	6.530	6.530 (1.063)		572997	78.4133	2600
18 3&4-Methylphenol	107	6.546	6.541 (1.065)		898805	68.2755	2300
19 Hexachloroethane	117	6.642	6.642 (1.081)		274301	55.9959	1900
* 20 Naphthalene-d8	136	7.342	7.342 (1.000)		1425514	40.0000	
\$ 21 Nitrobenzene-d5	82	6.679	6.679 (0.910)		734120	67.9141	2300
22 Nitrobenzene	77	6.701	6.701 (0.913)		764350	67.8737	2300
23 Isophorone	82	6.915	6.915 (0.942)		1476211	64.8981	2200
24 2-Nitrophenol	139	6.995	6.995 (0.953)		454399	72.2702	2400
25 2,4-Dimethylphenol	122	7.032	7.027 (0.958)		636267	63.6126	2100
26 Bis(2-chloroethoxy)methane	93	7.101	7.102 (0.967)		1095292	77.2164	2600
27 Benzoic acid	105	7.101	7.123 (0.967)		264027	32.2041	1100
28 2,4-Dichlorophenol	162	7.219	7.214 (0.983)		728145	74.3510	2500
29 1,2,4-Trichlorobenzene	180	7.288	7.289 (0.993)		728103	68.0824	2300
30 Naphthalene	128	7.358	7.358 (1.002)		2576091	74.2631	2500
31 4-Chloroaniline	127	7.406	7.406 (1.009)		662295	47.7546	1600
32 Hexachlorobutadiene	225	7.465	7.465 (1.017)		416406	75.4521	2500
33 4-Chloro-3-methylphenol	107	7.833	7.833 (1.067)		729665	75.6945	2500
34 2-Methylnaphthalene	142	7.983	7.983 (1.087)		1691828	74.5127	2500
35 1-Methylnaphthalene	142	8.079	8.079 (1.100)		1595342	74.3351	2500
* 36 Acenaphthene-d10	164	9.132	9.132 (1.000)		823784	40.0000	
37 Hexachlorocyclopentadiene	237	8.138	8.138 (0.891)		94806	16.9889	570
38 2,4,6-Trichlorophenol	196	8.266	8.261 (0.905)		507338	75.8310	2500
39 2,4,5-Trichlorophenol	196	8.309	8.304 (0.910)		571721	80.7861	2700
\$ 40 2-Fluorobiphenyl	172	8.336	8.336 (0.913)		1699713	74.3882	2500
41 2-Chloronaphthalene	162	8.485	8.485 (0.929)		1520707	70.4767	2300
42 2-Nitroaniline	65	8.597	8.597 (0.941)		432320	75.0543	2500
43 Dimethylphthalate	163	8.768	8.768 (0.960)		1903812	79.2022	2600
44 2,6-Dinitrotoluene	165	8.854	8.854 (0.970)		374767	76.7357	2600
45 Acenaphthylene	152	8.966	8.966 (0.982)		2510062	75.1797	2500
46 3-Nitroaniline	138	9.067	9.067 (0.993)		349082	56.9904	1900
47 Acenaphthene	154	9.169	9.169 (1.004)		1537446	71.9183	2400
48 2,4-Dinitrophenol	184	9.190	9.190 (1.006)		63063	21.3889	710(Q)
49 4-Nitrophenol	65	9.270	9.265 (1.015)		304721	72.9016	2400
50 Dibenzofuran	168	9.377	9.377 (1.027)		2243271	75.2233	2500
51 2,4-Dinitrotoluene	165	9.340	9.340 (1.023)		500919	73.8872	2500
53 Diethylphthalate	149	9.607	9.607 (1.052)		1813640	81.6430	2700
54 Fluorene	166	9.799	9.799 (1.073)		1834012	76.7580	2600
55 4-Chlorophenyl-phenylether	204	9.778	9.778 (1.071)		888143	77.5601	2600

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
56 4-Nitroaniline		138	9.826	9.826 (1.076)		379519	61.9113	2100
\$ 57 2,4,6-Tribromophenol		329	10.115	10.115 (1.108)		237586	68.0606	2300
* 58 Phenanthrene-d10		188	11.023	11.023 (1.000)		1347193	40.0000	
59 4,6-Dinitro-2-methylphenol		198	9.853	9.853 (0.894)		191926	46.3276	1500
60 N-Nitrosodiphenylamine		169	9.928	9.933 (0.901)		1359924	77.0764	2600
61 1,2-Diphenylhydrazine		77	9.981	9.981 (0.905)		1795195	74.5334	2500
62 4-Bromophenyl-phenylether		248	10.414	10.414 (0.945)		532753	80.6668	2700
63 Hexachlorobenzene		284	10.526	10.526 (0.955)		554797	74.3997	2500
64 Pentachlorophenol		266	10.777	10.777 (0.978)		329928	73.1438	2400
65 Phenanthrene		178	11.055	11.055 (1.003)		3012212	85.0836	2800
66 Anthracene		178	11.119	11.119 (1.009)		2661650	74.3259	2500
67 Carbazole		167	11.333	11.327 (1.028)		2751447	82.2085	2700
68 Di-n-Butylphthalate		149	11.749	11.749 (1.066)		3225115	84.0108	2800
69 Fluoranthene		202	12.615	12.615 (1.144)		3368654	89.0418	3000
* 71 Chrysene-d12		240	14.452	14.447 (1.000)		1386843	40.0000	
72 Pyrene		202	12.914	12.914 (0.894)		3421322	80.8646	2700
\$ 73 Terphenyl-d14		244	13.095	13.090 (0.906)		2040306	94.2473	3100
74 Butylbenzylphthalate		149	13.705	13.699 (0.948)		1525093	86.4560	2900
75 3,3'-Dichlorobenzidine		252	14.410	14.399 (0.997)		166443	13.4396	450(R)
76 Benzo(a)Anthracene		228	14.436	14.431 (0.999)		2962047	77.8347	2600
77 Bis(2-ethylhexyl)phthalate		149	14.399	14.399 (0.996)		2289171	98.2543	3300
78 Chrysene		228	14.484	14.479 (1.002)		3056006	80.9563	2700
* 79 Perylene-d12		264	16.509	16.499 (1.000)		1561031	40.0000	
80 Di-n-octylphthalate		149	15.206	15.206 (1.052)		3525430	85.0746	2800
81 Benzo(b)fluoranthene		252	15.889	15.884 (0.962)		3291448	83.5483	2800
82 Benzo(k)fluoranthene		252	15.927	15.922 (0.965)		3060110	70.8907	2400
83 Benzo(a)pyrene		252	16.413	16.408 (0.994)		2915057	80.8125	2700
84 Indeno(1,2,3-cd)pyrene		276	18.603	18.593 (1.287)		3444067	78.9908	2600
85 Dibenzo(a,h)anthracene		278	18.625	18.614 (1.128)		2928409	73.6793	2500
86 Benzo(g,h,i)perylene		276	19.255	19.239 (1.166)		3035841	72.5658	2400
89 Acetophenone		105	6.535	6.535 (0.890)		951761	62.7535	2100
90 Benzaldehyde		77	5.707	5.707 (0.929)		373602	57.6449	1900
91 1,1-Biphenyl		154	8.448	8.448 (0.925)		2069435	71.4629	2400
92 Caprolactam		113	7.711	7.716 (1.050)		220664	57.4762	1900
93 Atrazine		200	10.611	10.606 (0.963)		442563	160.558	5300
M 88 MethylPhenols,Total		100				1536521	136.951	4600

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.
 M - Compound response manually integrated.

Data File: tb2325.d

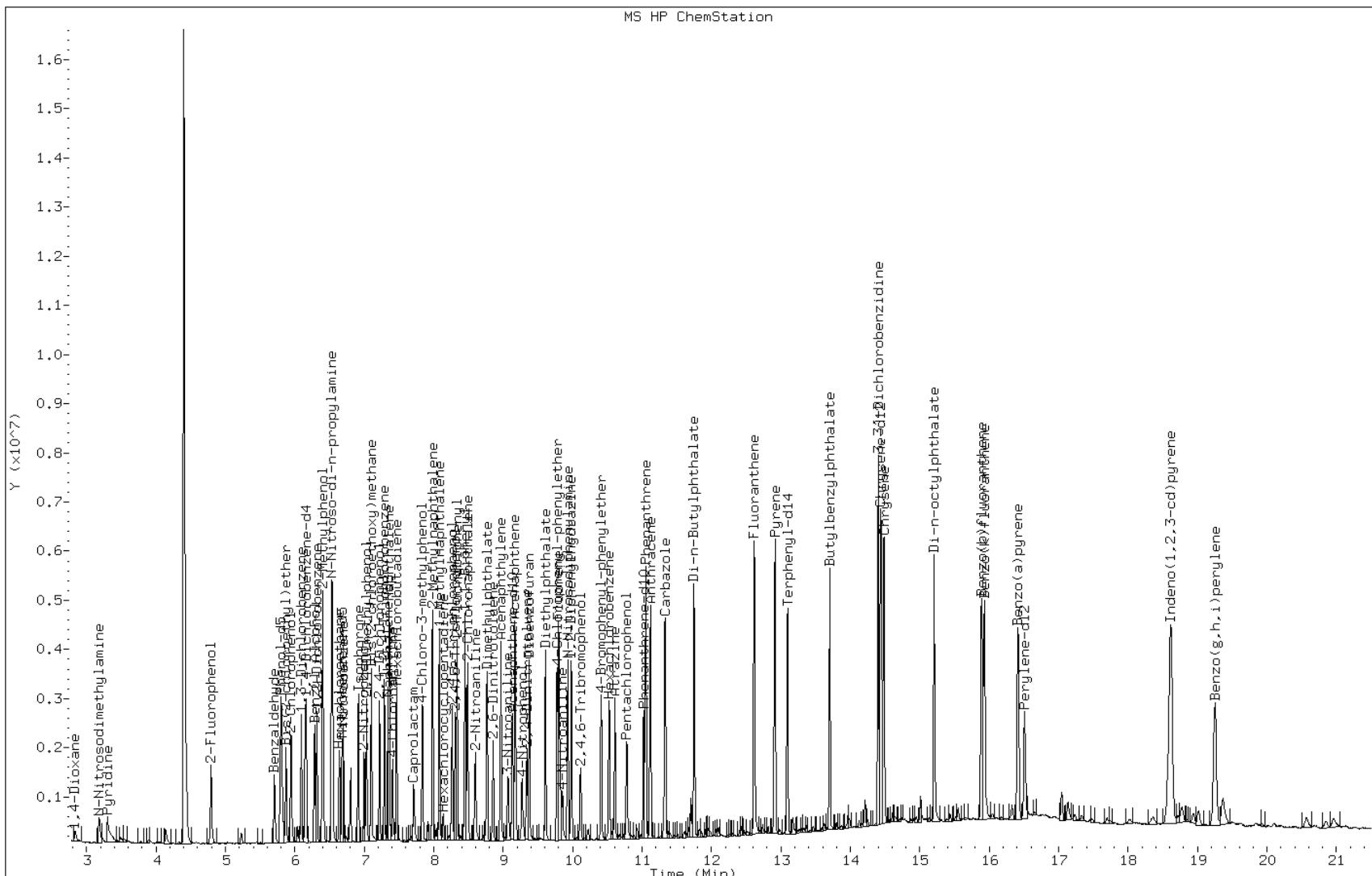
Date: 23-FEB-2013 21:37

Client ID: CV0005C-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-4-B MS

Operator: LEG



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Client Sample ID: CV0005C-CS MSD

Lab Sample ID: 680-87318-4 MSD

Matrix: Solid

Lab File ID: tb2326.d

Analysis Method: 8270D

Date Collected: 02/07/2013 10:23

Extract. Method: 3546

Date Extracted: 02/14/2013 10:04

Sample wt/vol: 29.96(g)

Date Analyzed: 02/23/2013 22:05

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 8.0

GPC Cleanup:(Y/N) N

Analysis Batch No.: 267279

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	1900		360	30
1912-24-9	Atrazine	3850		360	25
100-52-7	Benzaldehyde	2030		360	63
92-52-4	1,1'-Biphenyl	2040		360	810
111-91-1	Bis(2-chloroethoxy)methane	2330		360	42
111-44-4	Bis(2-chloroethyl)ether	2170		360	49
108-60-1	bis (2-chloroisopropyl) ether	2300		360	33
117-81-7	Bis(2-ethylhexyl) phthalate	2630		360	32
101-55-3	4-Bromophenyl phenyl ether	2140		360	39
85-68-7	Butyl benzyl phthalate	2240		360	28
105-60-2	Caprolactam	1730		360	72
86-74-8	Carbazole	2200		360	33
106-47-8	4-Chloroaniline	1320		720	57
59-50-7	4-Chloro-3-methylphenol	2310		360	38
91-58-7	2-Chloronaphthalene	1990		360	38
95-57-8	2-Chlorophenol	2150		360	44
7005-72-3	4-Chlorophenyl phenyl ether	2180		360	48
91-94-1	3,3'-Dichlorobenzidine	304	J	720	30
120-83-2	2,4-Dichlorophenol	2150		360	38
84-66-2	Diethyl phthalate	2400		360	40
105-67-9	2,4-Dimethylphenol	1780		360	48
131-11-3	Dimethyl phthalate	2380		360	37
84-74-2	Di-n-butyl phthalate	2170		360	33
534-52-1	4,6-Dinitro-2-methylphenol	1190	J	1900	190
51-28-5	2,4-Dinitrophenol	1900	U	1900	900
121-14-2	2,4-Dinitrotoluene	2120		360	53
606-20-2	2,6-Dinitrotoluene	2250		360	46
117-84-0	Di-n-octyl phthalate	2220		360	32
118-74-1	Hexachlorobenzene	2040		360	42
87-68-3	Hexachlorobutadiene	2270		360	39
77-47-4	Hexachlorocyclopentadiene	222	J	360	45
67-72-1	Hexachloroethane	1550		360	30
78-59-1	Isophorone	1950		360	36
95-48-7	2-Methylphenol	2070		360	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah	Job No.: 680-87318-5
SDG No.: 68087318-5	
Client Sample ID: CV0005C-CS MSD	Lab Sample ID: 680-87318-4 MSD
Matrix: Solid	Lab File ID: tb2326.d
Analysis Method: 8270D	Date Collected: 02/07/2013 10:23
Extract. Method: 3546	Date Extracted: 02/14/2013 10:04
Sample wt/vol: 29.96(g)	Date Analyzed: 02/23/2013 22:05
Con. Extract Vol.: 1(mL)	Dilution Factor: 1
Injection Volume: 1(uL)	Level: (low/med) Low
% Moisture: 8.0	GPC Cleanup:(Y/N) N
Analysis Batch No.: 267279	Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	2090		360	47
88-74-4	2-Nitroaniline	2270		1900	49
99-09-2	3-Nitroaniline	1590	J	1900	50
100-01-6	4-Nitroaniline	1700	J	1900	53
98-95-3	Nitrobenzene	2030		360	28
88-75-5	2-Nitrophenol	2110		360	45
100-02-7	4-Nitrophenol	2220		1900	360
621-64-7	N-Nitrosodi-n-propylamine	2420		360	35
86-30-6	N-Nitrosodiphenylamine	2050		360	36
87-86-5	Pentachlorophenol	2060		1900	360
108-95-2	Phenol	2070		360	37
95-95-4	2,4,5-Trichlorophenol	2250		360	38
88-06-2	2,4,6-Trichlorophenol	2160		360	32

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	63		58-130
367-12-4	2-Fluorophenol (Surr)	58		40-130
4165-60-0	Nitrobenzene-d5 (Surr)	60		46-130
4165-62-2	Phenol-d5 (Surr)	63		49-130
1718-51-0	Terphenyl-d14 (Surr)	72		60-130
118-79-6	2,4,6-Tribromophenol (Surr)	58		58-130

TESTAMERICA SAVANNAH

Semivolatile REPORT SW-846 Method 8270C

Data file : /chem/SM/MST5973.i/1t022313D.b/tb2326.d
Lab Smp Id: 680-87318-B-4-C MSD Client Smp ID: CV0005C-CS
Inj Date : 23-FEB-2013 22:05
Operator : LEG Inst ID: MST5973.i
Smp Info : 680-87318-B-4-C MSD
Misc Info : 680-87318-B-4-C MSD
Comment :
Method : /chem/SM/MST5973.i/1t022313D.b/t-8270D-m.m
Meth Date : 24-Feb-2013 10:45 gillinsl Quant Type: ISTD
Cal Date : 13-FEB-2013 23:26 Cal File: tb1320q.d
Als bottle: 26 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TL2013.sub
Target Version: 3.50
Processing Host: savchem1

Concentration Formula:

Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Injection Volume
Vt	1.00000	Final Volume
Ws	29.96000	Weight Extracted
M	0.00000	% Moisture
A	1000.00000	uL to mL conversion
B	1000.00000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.00000	ug to mg conversion(value = 1 if no conv)
GPC	1.00000	GPC FACTOR

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
* 1 1,4-Dichlorobenzene-d4	====	=====	==	=====	=====	=====	=====	=====
2 1,4-Dioxane	152	6.145	6.145	(1.000)		432167	40.0000	
3 Pyridine	88	2.838	2.849	(0.462)		160252	21.6438	720(RM)
4 N-Nitrosodimethylamine	79	3.308	3.287	(0.538)		557055	32.0522	1100
\$ 5 2-Fluorophenol	42	3.186	3.186	(0.518)		334755	45.3385	1500(R)
\$ 6 Phenol-d5	112	4.794	4.788	(0.780)		865246	57.9680	1900
7 Aniline	99	5.793	5.787	(0.943)		1158491	62.7450	2100
	93	5.819	5.819	(0.947)		422249	21.2259	710(Q)

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
8 Phenol	94	5.809	5.803	(0.945)	1157968	56.9640	1900
9 Bis(2-chloroethyl)ether	63	5.873	5.873	(0.956)	658190	59.7540	2000
10 2-Chlorophenol	128	5.948	5.948	(0.968)	914333	59.2894	2000
11 1,3-Dichlorobenzene	146	6.092	6.092	(0.991)	903120	53.1140	1800
12 1,4-Dichlorobenzene	146	6.161	6.161	(1.003)	905101	54.6420	1800
13 Benzyl Alcohol	108	6.284	6.284	(1.023)	582540	59.9188	2000
14 1,2-Dichlorobenzene	146	6.316	6.316	(1.028)	874280	56.4822	1900
15 2-Methylphenol	107	6.402	6.396	(1.042)	658368	56.9886	1900(R)
16 bis (2-Chloroisopropyl) ether	45	6.402	6.402	(1.042)	1476319	63.2874	2100
17 N-Nitroso-di-n-propylamine	70	6.530	6.530	(1.063)	606821	66.7485	2200
18 3&4-Methylphenol	107	6.546	6.541	(1.065)	942209	57.5294	1900
19 Hexachloroethane	117	6.637	6.642	(1.080)	260552	42.7530	1400
* 20 Naphthalene-d8	136	7.342	7.342	(1.000)	1834631	40.0000	
\$ 21 Nitrobenzene-d5	82	6.679	6.679	(0.910)	838255	60.2548	2000
22 Nitrobenzene	77	6.695	6.701	(0.912)	809980	55.8864	1900(R)
23 Isophorone	82	6.915	6.915	(0.942)	1577053	53.8707	1800(R)
24 2-Nitrophenol	139	6.995	6.995	(0.953)	469542	58.0255	1900(R)
25 2,4-Dimethylphenol	122	7.032	7.027	(0.958)	631205	49.0339	1600(R)
26 Bis(2-chloroethoxy)methane	93	7.101	7.102	(0.967)	1173371	64.2744	2100
27 Benzoic acid	105	7.107	7.123	(0.968)	302416	28.6610	960
28 2,4-Dichlorophenol	162	7.219	7.214	(0.983)	746702	59.2432	2000
29 1,2,4-Trichlorobenzene	180	7.288	7.289	(0.993)	777173	56.4654	1900
30 Naphthalene	128	7.358	7.358	(1.002)	2663584	59.6625	2000
31 4-Chloroaniline	127	7.406	7.406	(1.009)	646963	36.2465	1200
32 Hexachlorobutadiene	225	7.465	7.465	(1.017)	444928	62.6421	2100
33 4-Chloro-3-methylphenol	107	7.839	7.833	(1.068)	789108	63.6063	2100
34 2-Methylnaphthalene	142	7.983	7.983	(1.087)	1783660	61.0392	2000
35 1-Methylnaphthalene	142	8.079	8.079	(1.100)	1658950	60.0615	2000
* 36 Acenaphthene-d10	164	9.132	9.132	(1.000)	1099084	40.0000	
37 Hexachlorocyclopentadiene	237	8.138	8.138	(0.891)	45515	6.11317	200(a)
38 2,4,6-Trichlorophenol	196	8.266	8.261	(0.905)	532317	59.6351	2000(R)
39 2,4,5-Trichlorophenol	196	8.309	8.304	(0.910)	586686	62.1356	2100
\$ 40 2-Fluorobiphenyl	172	8.336	8.336	(0.913)	1909280	62.6298	2100
41 2-Chloronaphthalene	162	8.485	8.485	(0.929)	1578604	54.8347	1800(R)
42 2-Nitroaniline	65	8.597	8.597	(0.941)	481309	62.6292	2100
43 Dimethylphthalate	163	8.768	8.768	(0.960)	2106730	65.6908	2200
44 2,6-Dinitrotoluene	165	8.854	8.854	(0.970)	404531	62.0827	2100(R)
45 Acenaphthylene	152	8.966	8.966	(0.982)	2503615	56.2039	1900
46 3-Nitroaniline	138	9.073	9.067	(0.994)	357352	43.7274	1500(R)
47 Acenaphthene	154	9.169	9.169	(1.004)	1596574	55.9772	1900
48 2,4-Dinitrophenol	184	9.190	9.190	(1.006)	69232	17.5996	590(Q)
49 4-Nitrophenol	65	9.270	9.265	(1.015)	341438	61.2251	2000
50 Dibenzofuran	168	9.377	9.377	(1.027)	2290722	57.5739	1900
51 2,4-Dinitrotoluene	165	9.340	9.340	(1.023)	528709	58.4522	2000
53 Diethylphthalate	149	9.607	9.607	(1.052)	1961019	66.1656	2200
54 Fluorene	166	9.799	9.799	(1.073)	1863525	58.4573	2000
55 4-Chlorophenyl-phenylether	204	9.778	9.778	(1.071)	916528	59.9906	2000

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
56 4-Nitroaniline		138	9.826	9.826 (1.076)		382294	46.7430	1600(R)
\$ 57 2,4,6-Tribromophenol		329	10.114	10.115 (1.108)		270505	58.0808	1900
* 58 Phenanthrene-d10		188	11.023	11.023 (1.000)		1848617	40.0000	
59 4,6-Dinitro-2-methylphenol		198	9.853	9.853 (0.894)		186026	32.7237	1100(R)
60 N-Nitrosodiphenylamine		169	9.933	9.933 (0.901)		1367194	56.4703	1900
61 1,2-Diphenylhydrazine		77	9.981	9.981 (0.905)		1808320	54.7139	1800
62 4-Bromophenyl-phenylether		248	10.414	10.414 (0.945)		533715	58.8927	2000
63 Hexachlorobenzene		284	10.526	10.526 (0.955)		575317	56.2247	1900(R)
64 Pentachlorophenol		266	10.782	10.777 (0.978)		351510	56.7909	1900
65 Phenanthrene		178	11.055	11.055 (1.003)		2850348	58.6734	2000
66 Anthracene		178	11.119	11.119 (1.009)		2616145	53.2395	1800(R)
67 Carbazole		167	11.333	11.327 (1.028)		2779983	60.5314	2000
68 Di-n-Butylphthalate		149	11.749	11.749 (1.066)		3152813	59.8510	2000
69 Fluoranthene		202	12.615	12.615 (1.144)		3105770	59.8260	2000
* 71 Chrysene-d12		240	14.452	14.447 (1.000)		1801294	40.0000	
72 Pyrene		202	12.914	12.914 (0.894)		3139584	57.1320	1900
\$ 73 Terphenyl-d14		244	13.095	13.090 (0.906)		2025648	72.0411	2400
74 Butylbenzylphthalate		149	13.704	13.699 (0.948)		1417499	61.8677	2100(R)
75 3,3'-Dichlorobenzidine		252	14.404	14.399 (0.997)		134871	8.38458	280(aR)
76 Benzo(a)Anthracene		228	14.436	14.431 (0.999)		2604604	52.6945	1800(R)
77 Bis(2-ethylhexyl)phthalate		149	14.399	14.399 (0.996)		2196347	72.5800	2400
78 Chrysene		228	14.484	14.479 (1.002)		2664485	54.3441	1800(R)
* 79 Perylene-d12		264	16.509	16.499 (1.000)		1969398	40.0000	
80 Di-n-octylphthalate		149	15.206	15.206 (1.052)		3294447	61.2087	2000
81 Benzo(b)fluoranthene		252	15.889	15.884 (0.962)		2778146	55.8964	1900
82 Benzo(k)fluoranthene		252	15.927	15.922 (0.965)		2622481	48.1552	1600
83 Benzo(a)pyrene		252	16.413	16.408 (0.994)		2396375	52.6580	1800
84 Indeno(1,2,3-cd)pyrene		276	18.598	18.593 (1.287)		2802253	49.4829	1700
85 Dibenzo(a,h)anthracene		278	18.625	18.614 (1.128)		2366805	47.2014	1600
86 Benzo(g,h,i)perylene		276	19.250	19.239 (1.166)		2517519	47.6984	1600
89 Acetophenone		105	6.535	6.535 (0.890)		1023029	52.4108	1700
90 Benzaldehyde		77	5.707	5.707 (0.929)		451462	55.9908	1900
91 1,1-Biphenyl		154	8.448	8.448 (0.925)		2170689	56.1835	1900
92 Caprolactam		113	7.716	7.716 (1.051)		235474	47.6565	1600
93 Atrazine		200	10.611	10.606 (0.963)		470176	106.079	3500
M 88 MethylPhenols,Total		100				1600577	114.518	3800

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: tb2326.d

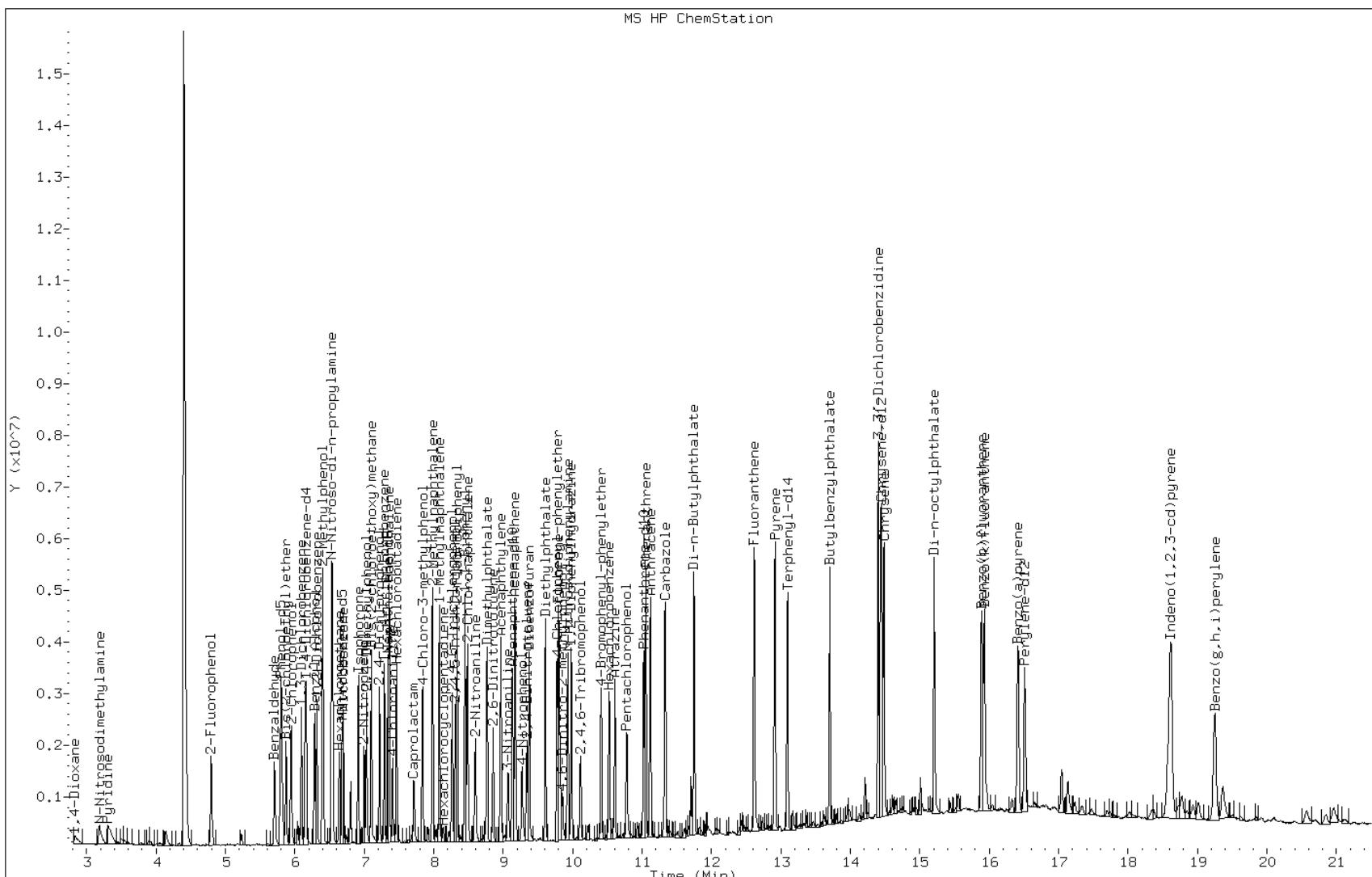
Date: 23-FEB-2013 22:05

Client ID: CV0005C-CS

Instrument: MST5973.i

Sample Info: 680-87318-B-4-C MSD

Operator: LEG



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica SavannahJob No.: 680-87318-5SDG No.: 68087318-5Instrument ID: MSTStart Date: 02/23/2013 10:59Analysis Batch Number: 267279End Date: 02/23/2013 22:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-267279/1		02/23/2013 10:59	1	tb2302t.d	ZB5 Semiv 0.25 (mm)
CCVIS 680-267279/2		02/23/2013 11:17	1	tb2303q.d	ZB5 Semiv 0.25 (mm)
RL 680-267279/3		02/23/2013 11:46	1		ZB5 Semiv 0.25 (mm)
CCV 680-267279/4		02/23/2013 12:14	1		ZB5 Semiv 0.25 (mm)
RL 680-267279/5		02/23/2013 12:42	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 13:38	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 14:06	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 14:34	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 15:02	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 15:31	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 15:59	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 16:27	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 16:56	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 17:24	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 17:52	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 18:20	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 18:48	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/23/2013 19:16	1		ZB5 Semiv 0.25 (mm)
MB 680-266053/13-A		02/23/2013 19:45	1	tb2321.d	ZB5 Semiv 0.25 (mm)
LCS 680-266053/14-A		02/23/2013 20:13	1	tb2322.d	ZB5 Semiv 0.25 (mm)
680-87318-4 MS	CV0005C-CS MS	02/23/2013 21:37	1	tb2325.d	ZB5 Semiv 0.25 (mm)
680-87318-4 MSD	CV0005C-CS MSD	02/23/2013 22:05	1	tb2326.d	ZB5 Semiv 0.25 (mm)
680-87318-4	CV0005C-CS	02/23/2013 22:33	1	tb2327.d	ZB5 Semiv 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5
Instrument ID: MST Start Date: 02/22/2013 13:38
Analysis Batch Number: 267280 End Date: 02/22/2013 16:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-267280/1		02/22/2013 13:38	1	tb2207t.d	ZB5 Semiv 0.25 (mm)
ICIS 680-267280/2		02/22/2013 13:57	1	tb2208q.d	ZB5 Semiv 0.25 (mm)
IC 680-267280/3		02/22/2013 14:25	1	tb2209q.d	ZB5 Semiv 0.25 (mm)
IC 680-267280/4		02/22/2013 14:53	1	tb2210q.d	ZB5 Semiv 0.25 (mm)
IC 680-267280/5		02/22/2013 15:21	1	tb2211q.d	ZB5 Semiv 0.25 (mm)
IC 680-267280/6		02/22/2013 15:50	1	tb2212q.d	ZB5 Semiv 0.25 (mm)
IC 680-267280/7		02/22/2013 16:18	1	tb2213q.d	ZB5 Semiv 0.25 (mm)
ICV 680-267280/8		02/22/2013 16:46	1	tb2214q.d	ZB5 Semiv 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica SavannahJob No.: 680-87318-5SDG No.: 68087318-5Instrument ID: MSTStart Date: 02/26/2013 15:21Analysis Batch Number: 267580End Date: 02/27/2013 02:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-267580/1		02/26/2013 15:21	1	tb2602t.d	ZB5 Semiv 0.25 (mm)
ICIS 680-267580/2		02/26/2013 15:40	1	tb2603q.d	ZB5 Semiv 0.25 (mm)
IC 680-267580/3		02/26/2013 16:08	1	tb2604q.d	ZB5 Semiv 0.25 (mm)
IC 680-267580/4		02/26/2013 16:36	1	tb2605q.d	ZB5 Semiv 0.25 (mm)
IC 680-267580/5		02/26/2013 17:05	1	tb2606q.d	ZB5 Semiv 0.25 (mm)
IC 680-267580/6		02/26/2013 17:33	1	tb2607q.d	ZB5 Semiv 0.25 (mm)
IC 680-267580/7		02/26/2013 18:01	1	tb2608q.d	ZB5 Semiv 0.25 (mm)
ICV 680-267580/8		02/26/2013 18:29	1	tb2609q.d	ZB5 Semiv 0.25 (mm)
IC 680-267580/9		02/26/2013 18:58	1		ZB5 Semiv 0.25 (mm)
IC 680-267580/10		02/26/2013 19:26	1		ZB5 Semiv 0.25 (mm)
IC 680-267580/11		02/26/2013 19:54	1		ZB5 Semiv 0.25 (mm)
IC 680-267580/12		02/26/2013 20:22	1		ZB5 Semiv 0.25 (mm)
IC 680-267580/13		02/26/2013 20:50	1		ZB5 Semiv 0.25 (mm)
IC 680-267580/14		02/26/2013 21:18	1		ZB5 Semiv 0.25 (mm)
ICV 680-267580/15		02/26/2013 21:46	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/26/2013 23:10	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/26/2013 23:39	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/27/2013 00:07	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/27/2013 00:35	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/27/2013 01:03	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/27/2013 01:31	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/27/2013 01:59	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/27/2013 02:27	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/27/2013 02:55	1		ZB5 Semiv 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-87318-5
SDG No.: 68087318-5

Instrument ID: MST Start Date: 02/28/2013 00:41
Analysis Batch Number: 267924 End Date: 02/28/2013 11:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-267924/1		02/28/2013 00:41	1	tb2672t.d	ZB5 Semiv 0.25 (mm)
CCVIS 680-267924/2		02/28/2013 01:00	1	tb2673q.d	ZB5 Semiv 0.25 (mm)
CCV 680-267924/3		02/28/2013 01:56	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/28/2013 06:37	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/28/2013 07:05	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/28/2013 07:34	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/28/2013 08:02	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/28/2013 08:30	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/28/2013 08:58	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/28/2013 09:26	1		ZB5 Semiv 0.25 (mm)
ZZZZZ		02/28/2013 09:54	1		ZB5 Semiv 0.25 (mm)
680-87318-12	CV0005H-CS	02/28/2013 10:22	5	tb2693.d	ZB5 Semiv 0.25 (mm)
680-87318-17	CV0005I-CS	02/28/2013 10:50	1	tb2694.d	ZB5 Semiv 0.25 (mm)
680-87318-32	CV0005V-CS	02/28/2013 11:18	1	tb2695.d	ZB5 Semiv 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah

Job No.: 680-87318-5

SDG No.: 68087318-5

Batch Number: 266053

Batch Start Date: 02/14/13 10:04

Batch Analyst: Sapp, Jonathan

Batch Method: 3546

Batch End Date: 02/14/13 10:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	BENZIDINwk 00141	BNAFULLSPK 00490	BNAwkSURRA 00071	AnalysisComment
680-87318-B-4	CV0005C-CS	3546, 8270D	T	29.96 g	1 mL			1 mL	
680-87318-B-12	CV0005H-CS	3546, 8270D	T	30.02 g	1 mL			1 mL	
680-87318-B-17	CV0005L-CS	3546, 8270D	T	30.00 g	1 mL			1 mL	
680-87318-B-32	CV0005V-CS	3546, 8270D	T	30.00 g	1 mL			1 mL	
MB 680-266053/13		3546, 8270D		30.00 g	1 mL			1 mL	
LCS 680-266053/14		3546, 8270D		29.98 g	1 mL	1 mL	1 mL	1 mL	BNA/BENZ
680-87318-B-4 MS	CV0005C-CS	3546, 8270D	T	30.05 g	1 mL	1 mL	1 mL	1 mL	BNA/BENZ
680-87318-B-4 MSD	CV0005C-CS	3546, 8270D	T	29.96 g	1 mL	1 mL	1 mL	1 mL	BNA/BENZ

Batch Notes

Acetone Lot #	2935237
Balance ID	30
Batch Comment	8270/8270-Ap9 M241
Person's name who did the concentration	JCS
Final Concentrator Volume	1 mL
MeCl2 Lot #	2971555
Microwave Start Time	1004
Microwave Stop Time	1034
Na2SO4 Lot Number	2899322
Ottawa Sand Lot #	2940071
Person's name who did the prep	JV
Person who witnessed spiking	JCS

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270D

Page 1 of 1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica Savannah

5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

Page 210 of 212

PROJECT REFERENCE <u>3500 Royal Ave</u>	PROJECT NO. <u>20051113-1356</u>	PROJECT LOCATION (STATE) <u>GA</u>	MATRIX TYPE	REQUIRED ANALYSIS		PAGE <u>210</u> OF <u>2</u>
				STANDARD REPORT <u>O</u>	EXPERTED REPORT <u>O</u>	
TAL (LAB) PROJECT MANAGER <u>Lisa Daney</u>	P.O. NUMBER <u>2005-5550</u>	CONTRACT NO. <u>1019</u>	AIR	DATE DUE <u>10/19</u>	DATE DUE <u>10/19</u>	
CLIENT (SITE) PM <u>Q. Hodgeson</u>	CLIENT PHONE <u>706-355-5550</u>	CLIENT FAX	SOLID OR SEMISOLID	NUMBER OF COOLERS SUBMITTED <u>0</u>	NUMBER OF COOLERS SUBMITTED <u>0</u>	
CLIENT NAME <u>One</u>	CLIENT E-MAIL <u>lisan@one.com</u>		NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	PER SHIPMENT:	PER SHIPMENT:	
COMPONENTS (G) OR GRAB (G) INDICATE						
AQUEOUS WATER						
COMPONENTS (G) OR GRAB (G) INDICATE						
SOLID OR SEMISOLID						
AQUEOUS WATER						
COMPONENTS (G) OR GRAB (G) INDICATE						
NONAQUEOUS LIQUID (OIL, SOLVENT, ...)						
NUMBER OF CONTAINERS SUBMITTED						
REMARKS						
SAMPLE IDENTIFICATION						
SAMPLE	DATE	TIME				
1017	10/13	10:00	CUSTODIAL-CS	X	X	
1019	10/13	10:00	CUSTODIAL-CS	X	X	
1023	10/13	10:00	CUSTODIAL-CS	X	X	
1033	10/13	10:00	CUSTODIAL-CS	G	X	
1044	10/13	10:00	CUSTODIAL-CS	X	X	X
1053	10/13	10:00	CUSTODIAL-CS	X	X	
1057	10/13	10:00	CUSTODIAL-CS	X	X	
1101	10/13	10:00	CUSTODIAL-CS	X	X	
1125	10/13	10:00	CUSTODIAL-CS	X	X	
1128	10/13	10:00	CUSTODIAL-CS	X	X	
1130	10/13	10:00	CUSTODIAL-CS	X	X	
RELINQUISHED BY: (SIGNATURE) <u>Lisa Daney</u>	DATE <u>10/13/05</u>	TIME <u>10:00</u>	RELINQUISHED BY: (SIGNATURE)	DATE <u>10/13/05</u>	TIME <u>10:00</u>	TIME <u>10:00</u>
RECEIVED BY: (SIGNATURE) <u>M. J.</u>	DATE <u>10/13/05</u>	TIME <u>10:00</u>	RECEIVED BY: (SIGNATURE)	DATE <u>10/13/05</u>	TIME <u>10:00</u>	TIME <u>10:00</u>
LABORATORY USE ONLY						
RECEIVED FOR LABORATORY BY: <u>M. J.</u>	DATE <u>10/13/05</u>	TIME <u>10:00</u>	CUSTODY INTACT YES <u>O</u> NO <u>O</u>	CUSTODY SEAL NO. <u>87718</u>	SAVANNAH LOG NO. <u>68</u>	LABORATORY REMARKS <u>R. 2 c / 2.8 c</u>
RECEIVED BY: (SIGNATURE) <u>M. J.</u>	DATE <u>10/13/05</u>	TIME <u>10:00</u>	RECEIVED BY: (SIGNATURE)	DATE <u>10/13/05</u>	TIME <u>10:00</u>	TIME <u>10:00</u>

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica Savannah

5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

Serial Number 59522

PROJECT REFERENCE <u>255K Ave Savannah</u>		PROJECT NO. <u>2005 NS-1356</u>	PROJECT LOCATION (STATE) <u>GA</u>	MATRIX TYPE CONTRACT NO.	REQUIRED ANALYSIS		PAGE <u>2</u>	OF <u>5</u>
TAL (LAB) PROJECT MANAGER <u>Lisa Money</u>	P.O. NUMBER	CLIENT PHONE <u>603-555-5550</u>	CLIENT FAX	AIR	STANDARD REPORT DELIVERY		STANDARD REPORT DELIVERY	DATE DUE
CLIENT SITE/PM <u>R. Hodgeson</u>	CLIENT EMAIL	CLIENT ADDRESS <u>12345 Hodgeson</u>	COMPONENT (C) OR GRAB (G) INDICATE AQUEOUS WATER	SOLID OR SEMISOLID NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	EXPEDITED REPORT DELIVERY (SURCHARGE)		EXPEDITED REPORT DELIVERY (SURCHARGE)	DATE DUE
CLIENT NAME <u>DTE</u>	COMPANY CONTRACTING THIS WORK (if applicable)	COMPONENT (C) OR GRAB (G) INDICATE AQUEOUS WATER	SOLID OR SEMISOLID NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:				
SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED		REMARKS				
SAMPLE	DATE	TIME						
1153	11/23	CUPDOSN-CS	X	X	X	X		
1150	CUPDOSN-CS	X	X	X	X	X		
1152	CUPDOSN-CS	X	X	X	X	X		
1155	CUPDOSN-CS	X	X	X	X	X		
1154	CUPDOSN-CS	X	X	X	X	X		
1156	CUPDOSN-CS	X	X	X	X	X		
1158	CUPDOSN-CS	X	X	X	X	X		
1203	CUPDOSN-CS	X	X	X	X	X		
1345	CUPDOSN-CS	X	X	X	X	X		
1347	CUPDOSN-CS	X	X	X	X	X		
1357	CUPDOSN-CS	X	X	X	X	X		
1358	CUPDOSN-CS	X	X	X	X	X		
RELINQUISHED BY: (SIGNATURE) <u>John Doe</u>	DATE <u>10/30/04</u>	TIME <u>1800</u>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <u>John Doe</u>	DATE <u>10/30/04</u>	TIME <u>1800</u>	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
LABORATORY USE ONLY								
RECEIVED FOR LABORATORY BY: <u>John Doe</u>	DATE <u>10/30/04</u>	TIME <u>1800</u>	CUSTODY INTACT YES <input checked="" type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO. <u>0134</u>	SAVANNAH LOG NO. <u>STB18</u>	LABORATORY REMARKS <u>2005</u>		
RECEIVED BY: (SIGNATURE) <u>John Doe</u>	DATE <u>10/30/04</u>	TIME <u>1800</u>	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Alternate Laboratory Name/Location

Phone:
Fax:

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Serial Number 59523

PROJECT REFERENCE TAL (LAB) PROJECT MANAGER CLIENT (SITE) PM CLIENT NAME CLIENT ADDRESS COMPANY CONTRACTING THIS WORK (if applicable)	PROJECT NO. P.O. NUMBER CLIENT PHONE CLIENT E-MAIL CLIENT FAX	PROJECT LOCATION (STATE) CONTRACT NO.	MATRIX TYPE	REQUIRED ANALYSIS		PAGE <u>2</u> OF <u>2</u>
				STANDARD REPORT DELIVERY	EXPEDITED REPORT DELIVERY (SURCHARGE)	
359523 - 1356 Lisa Jones Q. Hodges OTC	35555555 Lisa@otc.com	RCRA# 8 LPA TCL SVC	AIR SOIL OR SEMISOLID AQUEOUS (WATER) COMPOSITE (C) OR GRAB (G) INDICATE NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	X	X	
1413	CUSTODIAL-CS	C				
1414	CUSTODIAL-CS	C				
1415	CUSTODIAL-CS	C				
1416	CUSTODIAL-CS	C				
1417	CUSTODIAL-CS	C				
1418	CUSTODIAL-CS	C				
1419	CUSTODIAL-CS	C				
1420	CUSTODIAL-CS	C				
1421	CUSTODIAL-CS	C				
1422	CUSTODIAL-CS	C				
1423	CUSTODIAL-CS	C				
1424	CUSTODIAL-CS	C				
1425	CUSTODIAL-CS	C				
1426	CUSTODIAL-CS	C				
1427	CUSTODIAL-CS	C				
1428	CUSTODIAL-CS	C				
1429	CUSTODIAL-CS	C				
1430	CUSTODIAL-CS	C				
1431	CUSTODIAL-CS	C				
1500	CUSTODIAL-CS	C				
1501	CUSTODIAL-CS	C				
1502	CUSTODIAL-CS	C				
1503	CUSTODIAL-CS	C				
RElinquished By: (Signature) RElinquished Date: 03/04/2013	TIME RElinquished Date: 03/04/2013	TIME RElinquished Date: 03/04/2013	RElinquished By: (Signature) RElinquished Date: 03/04/2013	TIME RElinquished Date: 03/04/2013	TIME RElinquished Date: 03/04/2013	RElinquished By: (Signature) RElinquished Date: 03/04/2013
RECEIVED FOR LABORATORY BY: (Signature)	DATE 03/04/2013	TIME 0934	CUSTODY INTACT YES NO	CUSTODY SEAL NO. 00	SAVANNAH LOG NO. 87318	LABORATORY REMARKS J. J. C / 3-8-C
RECEIVED BY: (Signature) RECEIVED Date: 03/04/2013	DATE 03/04/2013	TIME 1800	RECEIVED BY: (Signature) RECEIVED Date: 03/04/2013	DATE 03/04/2013	TIME 1800	RECEIVED BY: (Signature) RECEIVED Date: 03/04/2013
LABORATORY USE ONLY						